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**LARGE-SCALE DEMONSTRATION OF  
BIOVENTING IN THE NORTHERN UNITED  
STATES;  
VOLUME 2: APPENDICES 1 THRU 11**

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14. ABSTRACT <p>This study was conducted to examine the effectiveness of bioventing for remediating petroleum hydrocarbons under the colder climatic conditions that exist in the northern United States. The study was conducted in an abandoned fire training pit (FPTA#1) at F.E. Warren AFB, Wyoming. The study included a 26-month field effort that entailed examining pure oxygen, pulsed air injection and passive soil warming for the potential to enhance biodegradation performance.</p> <p>The data demonstrated the effectiveness of bioventing for remediating hydrocarbon contamination commonly associated with fire training pits showing decreases in the mass of semi-volatile TPH, benzene, toluene, ethylbenzene, xylenes and naphthalene of 52.4, 76.4, 37.2, 19.0 and 18.0 percent, respectively. The masses of volatile TPH and xylene were shown to increase 36.5 and 57.1 percent, respectively. Biodegradation rates were calculated based on measured oxygen utilization rates and showed that there was no significant enhancement due to passive soil warming below the 3-foot depth. Neither pulsed air nor pure oxygen injection significantly affected the biodegradation rates compared to conventional continuous air injection.</p> <p>It was concluded that bioventing was effective at remediating contamination resulting from fire training exercises in colder climates, that although there was a slight benefit at the shallow depths the passive soil warming method was not useful, and that pulsed air or pure oxygen was not useful for increasing biodegradation rates.</p>					
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**APPENDIX 1**

**INITIAL VOLATILE HYDROCARBON SOIL RESULTS**

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FEW AFB Soil Total Petroleum Hydrocarbon Results  
Methanol Purge and Trap Extraction Samples

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/19/93	1772	M0, 1-2	7.0 to 7.5	P&T Soil	12.2	12.5
1/19/93	1773	M0, 1-3	6.5 to 7.0	P&T Soil	0.4	0.4
1/19/93	1776	M0, 3-2	3.0 to 3.5	P&T Soil	177	181
1/19/93	1777	M0, 3-3	2.5 to 3.0	P&T Soil	22.0	22.4
1/19/93	1731	M1, 2-1	5.5 to 6.0	P&T Soil	14.8	15.1
1/19/93	1732	M1, 2-2	5.0 to 5.5	P&T Soil	0.7	0.7
1/19/93	1733	M1, 2-3	4.5 to 5.0	P&T Soil	9.1	9.3
1/19/93	1735	M1, 4-1	1.5 to 2.0	P&T Soil	20.5	20.9
1/19/93	1755	M2, 1-1	7.5 to 8.0	P&T Soil	0.52	0.53
1/19/93	1756	M2, 1-2	7.0 to 7.5	P&T Soil	0.7	0.7
1/19/93	1757	M2, 1-3	6.5 to 6.0	P&T Soil	0.16	0.16
1/19/93	1760	M2, 3-2	3.0 to 3.5	P&T Soil	0.9	0.9
1/19/93	1761	M2, 3-3	2.5 to 3.0	P&T Soil	0.37	0.37
1/19/93	1748	M3, 2-2	5.0 to 5.5	P&T Soil	28.0	28.5
1/19/93	1749	M3, 2-3	4.5 to 5.0	P&T Soil	7.0	7.1
1/19/93	1751	M3, 4-1	1.5 to 2.0	P&T Soil	21.3	21.7
1/19/93	1752	M-3, 4-2	1.0 to 1.5	P&T Soil	8.7	8.8
1/18/93	1739	M4, 1-1	7.5 to 8.0	P&T Soil	0.02	0.03
1/18/93	1740	M4, 1-2	7.0 to 7.5	P&T Soil	1.9	1.9
1/18/93	1743	M4, 3-1	3.5 to 4.0	P&T Soil	0.07	0.07
1/18/93	1744	M4, 3-2	3.0 to 3.5	P&T Soil	4.3	4.4
1/18/93	1745	M4, 3-3	2.5 to 3.0	P&T Soil	0.29	0.30
1/18/93	1746	M4, 3-4	2.0 to 2.5	P&T Soil	0.8	0.9
1/19/93	1723	M5, 2-1	5.5 to 6.0	P&T Soil	0.80	0.81
1/19/93	1724	M5, 2-2	5.0 to 5.5	P&T Soil	6.5	6.7
1/19/93	1725	M5, 2-3	4.5 to 5.0	P&T Soil	5.3	5.4
1/19/93	1726	M5, 2-4	4.0 to 4.5	P&T Soil	2.8	2.8
1/19/93	1727	M5, 4-1	1.5 to 2.0	P&T Soil	8.7	8.8
1/19/93	1715	M6, 1-1	7.5 to 8.0	P&T Soil	1.5	1.5
1/19/93	1719	M6, 3-1	3.5 to 4.0	P&T Soil	1.8	1.8
1/19/93	1707	M7, 2-1	5.5 to 6.0	P&T Soil	15.5	15.8
1/19/93	1708	M7, 2-2	5.0 to 5.5	P&T Soil	2.1	2.1
1/19/93	1711	M7, 4-1	1.5 to 2.0	P&T Soil	3.3	3.4
1/19/93	1712	M7, 4-2	1.0 to 1.5	P&T Soil	6.0	6.1
1/19/93	1713	M7, 4-3	0.5 to 1.0	P&T Soil	1.7	1.7
1/19/93	1700	M8, 1-2	7.0 to 7.5	P&T Soil	0.03	0.03
1/19/93	1701	M8, 1-3	6.5 to 7.0	P&T Soil	0.6	0.6
1/19/93	1704	M8, 3-2	3.0 to 3.5	P&T Soil	4.5	4.6
1/19/93	1705	M8, 3-3	2.5 to 3.0	P&T Soil	3.7	3.8
1/19/93	1691	M9, 2-1	5.5 to 6.0	P&T Soil	0.9	0.9
1/19/93	1692	M9, 2-2	5.0 to 5.5	P&T Soil	4.5	4.6
1/19/93	1693	M9, 2-3	4.5 to 5.0	P&T Soil	2.1	2.1
1/19/93	1695	M9, 4-1	1.5 to 2.0	P&T Soil	1.6	1.6
1/19/93	1696	M9, 4-2	1.0 to 1.5	P&T Soil	0.04	0.04
1/17/93	1844	M10, 1-2	7.0 to 7.5	P&T Soil	4.9	5.0
1/17/93	1845	M10, 1-3	6.5 to 7.0	P&T Soil	0.64	0.65
1/17/93	1847	M10, 3-1	3.5 to 4.0	P&T Soil	5.4	5.5

NEW AFB Soil Total Petroleum Hydrocarbon Results  
Methanol Purge and Trap Extraction Samples

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/17/93	1848	M10, 3-2	3.0 to 3.5	P&T Soil	4.5	4.6
1/17/93	1849	M10, 3-3	2.5 to 3.0	P&T Soil	27.4	28.0
1/17/93	1851	M11, 2-1	5.5 to 6.0	P&T Soil	0.64	0.65
1/17/93	1852	M11, 2-2	5.0 to 5.5	P&T Soil	0.17	0.17
1/17/93	1855	M11, 4-1	1.5 to 2.0	P&T Soil	132	135
1/17/93	1856	M11, 4-2	1.0 to 1.5	P&T Soil	42.2	43.1
1/17/93	1857	M11, 4-3	0.5 to 1.0	P&T Soil	5.6	5.7
1/17/93	1859	M12, 1-1	7.5 to 8.0	P&T Soil	0.20	0.21
1/17/93	1860	M12, 1-2	7.0 to 7.5	P&T Soil	0.58	0.51
1/17/93	1861	M12, 1-3	6.5 to 7.0	P&T Soil	0.56	0.49
1/17/93	1863	M12, 3-1	3.5 to 4.0	P&T Soil	6.0	5.3
1/17/93	1864	M12, 3-2	3.0 to 3.5	P&T Soil	7.6	6.7
1/17/93	1865	M12, 3-3	2.5 to 3.0	P&T Soil	0.8	0.69
1/18/93	1867	M13, 2-1	5.5 to 6.0	P&T Soil	0.5	0.40
1/18/93	1869	M13, 2-3	4.5 to 5.0	P&T Soil	108	95
1/18/93	1871	M13, 4-1	1.5 to 2.0	P&T Soil	41.9	36.8
1/18/93	1872	M13, 4-2	1.0 to 1.5	P&T Soil	29.5	26.0
1/18/93	1873	M13, 4-3	0.5 to 1.0	P&T Soil	13.6	12.0
1/19/93	1684	M14, 1-2	7.0 to 7.5	P&T Soil	2.5	2.5
1/19/93	1685	M14, 1-3	6.5 to 7.0	P&T Soil	1.0	1.0
1/19/93	1688	M14, 3-2	3.0 to 3.5	P&T Soil	1.9	1.9
1/19/93	1689	M14, 3-3	2.5 to 3.0	P&T Soil	7.5	7.6
1/17/93	1836	M15, 2-2	5.0 to 5.5	P&T Soil	8.3	8.5
1/17/93	1837	M15, 2-3	4.5 to 5.0	P&T Soil	0.37	0.38
1/17/93	1840	M15, 4-2	1.0 to 1.5	P&T Soil	0.17	0.17
1/17/93	1841	M15, 4-3	0.5 to 1.0	P&T Soil	0.05	0.05
1/17/93	1828	M16, 1-2	7.0 to 7.5	P&T Soil	3.1	3.2
1/17/93	1829	M16, 1-3	6.5 to 7.0	P&T Soil	0.06	0.06
1/17/93	1832	M16, 3-2	3.0 to 3.5	P&T Soil	1.6	1.6
1/17/93	1833	M16, 3-3	2.5 to 3.0	P&T Soil	1.1	1.1
1/17/93	1820	M17, 2-2	5.0 to 5.5	P&T Soil	54.9	56.0
1/17/93	1821	M17, 2-3	4.5 to 5.0	P&T Soil	3.9	3.9
1/17/93	1824	M17, 4-2	1.0 to 1.5	P&T Soil	0.25	0.25
1/17/93	1812	M18, 1-2	7.0 to 7.5	P&T Soil	0.34	0.34
1/17/93	1813	M18, 1-3	6.5 to 7.0	P&T Soil	0.06	0.06
1/17/93	1815	M18, 3-1	3.5 to 4.0	P&T Soil	39.7	40.5
1/17/93	1816	M18, 3-2	3.0 to 3.5	P&T Soil	87.4	89.2
1/17/93	1817	M18, 3-3	2.5 to 3.0	P&T Soil	263	269
1/19/93	1764	M19, 2-2	5.0 to 5.5	P&T Soil	3.5	3.6
1/19/93	1765	M19, 2-3	4.5 to 5.0	P&T Soil	1.7	1.7
1/19/93	1767	M19, 4-1	1.5 to 2.0	P&T Soil	0.1	0.1
1/19/93	1768	M19, 4-2	1.0 to 1.5	P&T Soil	0.23	0.23
1/19/93	1769	M19, 4-3	0.5 to 1.0	P&T Soil	7.0	7.1
1/16/93	1788	M20, 1-2	7.0 to 7.5	P&T Soil	3.6	3.7
1/16/93	1789	M20, 1-3	6.5 to 7.0	P&T Soil	0.50	0.51
1/16/93	1791	M20, 3-1	3.5 to 4.0	P&T Soil	0.05	0.05
1/16/93	1792	M20, 3-2	3.0 to 3.5	P&T Soil	0.09	0.09

**FEW AFB Soil Total Petroleum Hydrocarbon Results**  
**Methanol Purge and Trap Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/16/93	1793	M20, 3-3	2.5 to 3.0	P&T Soil	0.42	0.43
1/16/93	1780	M21, 2-2	5.0 to 5.5	P&T Soil	0.3	0.3
1/16/93	1781	M21, 2-3	4.5 to 5.0	P&T Soil	0.08	0.08
1/16/93	1784	M21, 4-2	1.0 to 1.5	P&T Soil	0.28	0.28
1/16/93	1785	M21, 4-3	0.5 to 1.0	P&T Soil	0.06	0.06
1/15/93	1675	M22, 1-1	7.5 to 8.0	P&T Soil	0.14	0.15
1/15/93	1676	M22, 1-2	7.0 to 7.5	P&T Soil	0.04	0.04
1/15/93	1679	M22, 3-1	3.5 to 4.0	P&T Soil	0.03	0.04
1/15/93	1680	M22, 3-2	3.0 to 3.5	P&T Soil	2.4	2.5
1/16/93	1796	M23, 2-2	5.0 to 5.5	P&T Soil	0.19	0.20
1/16/93	1798	M23, 2-4	4.0 to 4.5	P&T Soil	1.5	1.5
1/16/93	1800	M23, 4-2	1.0 to 1.5	P&T Soil	2.1	2.1
1/16/93	1802	M23, 4-4	0.0 to 0.5	P&T Soil	1.0	1.0
1/16/93	1803	M24, 1-1	7.5 to 8.0	P&T Soil	0.11	0.11
1/16/93	1804	M24, 1-2	7.0 to 7.5	P&T Soil	0.20	0.21
1/16/93	1808	M24, 3-2	3.0 to 3.5	P&T Soil	0.03	0.03
1/16/93	1810	M24, 3-4	2.0 to 2.5	P&T Soil	0.08	0.08
1/15/93	1668	M25, 2-2	5.0 to 5.5	P&T Soil	4.4	4.4
1/15/93	1670	M25, 2-4	4.0 to 4.5	P&T Soil	1.2	1.2
1/15/93	1672	M25, 4-2	1.0 to 1.5	P&T Soil	0.08	0.08
1/15/93	1674	M25, 4-4	0.0 to 0.5	P&T Soil	0.15	0.15
1/15/93	1660	M26, 1-2	7.0 to 7.5	P&T Soil	3.0	3.0
1/15/93	1662	M26, 1-4	6.0 to 6.5	P&T Soil	0.09	0.09
1/15/93	1664	M26, 3-2	3.0 to 3.5	P&T Soil	0.04	0.04
1/15/93	1666	M26, 3-4	2.0 to 2.5	P&T Soil	2.2	2.3
1/15/93	1652	M27, 2-2	5.0 to 5.5	P&T Soil	2.3	2.4
1/15/93	1654	M27, 2-4	4.0 to 4.5	P&T Soil	39.2	39.9
1/15/93	1655	M27, 4-1	1.5 to 2.0	P&T Soil	0.60	0.62
1/15/93	1656	M27, 4-2	1.0 to 1.5	P&T Soil	0.03	0.03
1/15/93	1658	M27, 4-4	0.0 to 0.5	P&T Soil	5.0	5.1
1/15/93	1647	M28, 1-1	7.5 to 8.0	P&T Soil	32.1	32.8
1/15/93	1648	M28, 1-2	7.0 to 7.5	P&T Soil	238	243
1/15/93	1643	M28, 3-1	3.5 to 4.0	P&T Soil	25	25
1/15/93	1644	M28, 3-2	3.0 to 3.5	P&T Soil	91	93
1/15/93	1645	M28, 3-3	2.5 to 3.0	P&T Soil	67	68
1/15/93	1646	M28, 3-4	2.0 to 2.5	P&T Soil	11.8	12.0
1/15/93	1639	M29, 4-1	1.5 to 2.0	P&T Soil	149	152
1/15/93	1640	M29, 4-2	1.0 to 1.5	P&T Soil	208	212
1/15/93	1641	M29, 4-3	0.5 to 1.0	P&T Soil	196	200
1/15/93	1642	M29, 4-4	0.0 to 0.5	P&T Soil	52	54
1/14/93	1599	M30, 1-1	7.5 to 8.0	P&T Soil	40.6	41.4
1/14/93	1600	M30, 1-2	7.0 to 7.5	P&T Soil	4.1	4.2
1/14/93	1604	M30, 3-2	3.0 to 3.5	P&T Soil	8.7	8.8
1/14/93	1606	M30, 3-4	2.0 to 2.5	P&T Soil	4.3	4.4
1/14/93	1608	M31, 2-2	5.0 to 5.5	P&T Soil	2.8	2.9
1/14/93	1610	M31, 2-4	4.0 to 4.5	P&T Soil	5.2	5.3
1/14/93	1611	M31, 4-1	1.5 to 2.0	P&T Soil	0.7	0.7



PEW AFB Soil Total Petroleum Hydrocarbon Results  
Methanol Purge and Trap Extraction Samples

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/14/93	1612	M31, 4-2	1.0 to 1.5	P&T Soil	3.1	3.2
1/14/93	1613	M31, 4-3	0.5 to 1.0	P&T Soil	0.39	0.40
1/14/93	1614	M31, 4-4	0.0 to 0.5	P&T Soil	10.1	10.3
1/14/93	1616	M32, 1-2	7.0 to 7.5	P&T Soil	2.7	2.8
1/14/93	1617	M32, 1-3	6.5 to 7.0	P&T Soil	1.8	1.9
1/14/93	1619	M32, 3-1	3.5 to 4.0	P&T Soil	80.3	81.9
1/14/93	1620	M32, 3-2	3.0 to 3.5	P&T Soil	135	138
1/14/93	1624	M33, 2-2	5.0 to 5.5	P&T Soil	22.0	22.4
1/14/93	1625	M33, 2-3	4.5 to 5.0	P&T Soil	41.9	42.8
1/14/93	1627	M33, 4-1	1.5 to 2.0	P&T Soil	236	240
1/14/93	1628	M33, 4-2	1.0 to 1.5	P&T Soil	585	597
1/14/93	1629	M33, 4-3	0.5 to 1.0	P&T Soil	139	142
1/14/93	1630	M33, 4-4	0.0 to 0.5	P&T Soil	60	62
1/15/93	1632	M34, 1-2	7.0 to 7.5	P&T Soil	9.2	9.3
1/15/93	1633	M34, 1-3	6.5 to 7.0	P&T Soil	272	278
1/15/93	1634	M34, 1-4	6.0 to 6.5	P&T Soil	17.7	18.0
1/15/93	1636	M34, 3-2	3.0 to 3.5	P&T Soil	117	119
1/15/93	1637	M34, 3-3	2.5 to 3.0	P&T Soil	8.7	8.9
1/15/93	1638	M34, 3-4	2.0 to 2.5	P&T Soil	5.0	5.2

F. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1599			M-30, 1-1		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	15.2	0.08	<C-6	16.4	0.09	
n-Hexane	708	3.9	C-6 to C-7	2,357	12.9	
2,4-Dimethylpentane	1,800	9.9	C-7 to C-8	978	5.4	
Benzene	250	1.4	C-8 to C-9	2,139	11.7	
n-Heptane	105	0.58	C-9 to C-10	482	2.6	
Toluene	800	4.4	C-10 to C-11	1,077	5.9	
n-Octane	282	1.5	C-11 to C-12	128	0.70	
p-Xylene	949	5.2				
n-Nonane	223	1.2				
n-Propylbenzene	9.7	0.05				
n-Decane	101	0.55				
n-Butylbenzene	104	0.57				
n-Undecane	31.5	0.17				
Naphthalene	26.5	0.15				

1600			M-30, 1-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Benzene	7.1	0.44	<C-6	0.0	0.0	
Toluene	17.5	1.1	C-6 to C-7	8.3	0.52	
Ethylbenzene	9.3	0.58	C-7 to C-8	19.0	1.2	
			C-8 to C-9	21.1	1.3	
			C-9 to C-10	7.9	0.49	
			C-10 to C-11	6.2	0.38	
			C-11 to C-12	0.0	0.0	

1604			M-30, 3-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	505	2.3	<C-6	0.0	0.0	
2,4-Dimethylpentane	667	3.0	C-6 to C-7	1,109	5.0	
Benzene	0.98	0.0	C-7 to C-8	288	1.3	
n-Heptane	85.7	0.39	C-8 to C-9	382	1.7	
Toluene	191	0.86	C-9 to C-10	74.7	0.34	
n-Octane	83.2	0.38	C-10 to C-11	49.4	0.22	
Ethylbenzene	136	0.61	C-11 to C-12	0.0	0.0	
n-Nonane	37.2	0.17				
n-Propylbenzene	15.5	0.07				
n-Decane	40.5	0.18				

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1606	M-30, 3-4		Date Sampled 1/14/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Pentane	120	1.5	<C-6	134	1.7
n-Heptane	8.1	0.10	C-6 to C-7	29.2	0.37
Toluene	38.2	0.48	C-7 to C-8	49.1	0.61
n-Octane	7.7	0.10	C-8 to C-9	61.8	0.77
Ethylbenzene	20.8	0.26	C-9 to C-10	17.7	0.22
p-Xylene	7.1	0.09	C-10 to C-11	51.6	0.65
n-Propylbenzene	1.6	0.02	C-11 to C-12	19.2	0.24
n-Decane	25.8	0.32			
Naphthalene	20.6	0.26			
1608	M-31, 2-2		Date Sampled 1/14/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	25.2	0.29	<C-6	27.3	0.31
n-Butylbenzene	10.6	0.12	C-6 to C-7	26.9	0.31
n-Undecane	7.4	0.08	C-7 to C-8	46.8	0.53
			C-8 to C-9	83.2	0.95
			C-9 to C-10	22.9	0.26
			C-10 to C-11	11.1	0.13
			C-11 to C-12	25.8	0.29
1610	M-31, 2-4		Date Sampled 1/14/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	36.4	0.19	<C-6	0.0	0.0
Benzene	79.0	0.41	C-6 to C-7	130	0.68
n-Heptane	41.4	0.22	C-7 to C-8	182	0.95
Toluene	132	0.69	C-8 to C-9	262	1.4
n-Octane	45.3	0.24	C-9 to C-10	135	0.71
Ethylbenzene	83.4	0.44	C-10 to C-11	127	0.67
Nonane	50.8	0.27	C-11 to C-12	113	0.59
n-Propylbenzene	20.0	0.10			
n-Decane	47.0	0.25			
n-Butylbenzene	37.5	0.20			
Undecane	75.4	0.40			

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1611	M-31, 4-1			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	9.7	0.03	<C-6	0.0	0.0
Ethylbenzene	25.0	0.07	C-6 to C-7	0.0	0.0
n-Decane	48.6	0.14	C-7 to C-8	39.8	0.11
n-Undecane	35.5	0.10	C-8 to C-9	51.8	0.15
Naphthalene	20.8	0.06	C-9 to C-10	24.1	0.07
			C-10 to C-11	48.8	0.14
			C-11 to C-12	59.5	0.17

1612	M-31, 4-2			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	41.0	0.58	<C-6	0.0	0.0
n-Heptane	11.4	0.16	C-6 to C-7	30.5	0.43
Toluene	43.1	0.61	C-7 to C-8	57.6	0.81
Ethylbenzene	28.4	0.40	C-8 to C-9	68.3	0.96
p-Xylene	6.2	0.09	C-9 to C-10	5.1	0.07
n-Decane	6.3	0.09	C-10 to C-11	44.2	0.62
n-Undecane	4.5	0.06	C-11 to C-12	4.5	0.06

1613	M-31, 4-3			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	77.9	0.38	<C-6	4,543	22.4
			C-6 to C-7	79.4	0.39
			C-7 to C-8	0.0	0.0
			C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	2.93	0.01
			C-11 to C-12	0.0	0.0

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1614	M-31, 4-4			1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	4.2	0.05	<C-6	4.6	0.05
n-Hexane	66.8	0.74	C-6 to C-7	160	1.8
Benzene	77.7	0.86	C-7 to C-8	353	3.9
n-Heptane	77.3	0.85	C-8 to C-9	244	2.7
Toluene	155	1.7	C-9 to C-10	27.3	0.30
n-Octane	66.4	0.73	C-10 to C-11	77.4	0.85
Ethylbenzene	75.5	0.83	C-11 to C-12	0.0	0.0
p-Xylene	77.5	0.86			
n-Nonane	29.0	0.32			
n-Decane	48.0	0.53			
1616	M-32, 1 - 2			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Benzene	50.1	0.40	<C-6	0.0	0.0
n-Heptane	20.8	0.17	C-6 to C-7	59.2	0.47
Toluene	60.3	0.48	C-7 to C-8	87.3	0.70
n-Octane	24.3	0.19	C-8 to C-9	84.4	0.68
Ethylbenzene	28.6	0.23	C-9 to C-10	17.1	0.14
n-Nonane	18.2	0.15	C-10 to C-11	63.7	0.51
n-Decane	28.0	0.22	C-11 to C-12	14.7	0.12
n-Undecane	14.7	0.12			
1617	M-32, 1 - 3			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	73.0	0.46	<C-6	78.9	0.50
p-Xylene	18.6	0.12	C-6 to C-7	21.9	0.14
n-Nonane	12.6	0.08	C-7 to C-8	60.3	0.38
n-Propylbenzene	4.3	0.03	C-8 to C-9	55.8	0.35
n-Butylbenzene	17.7	0.11	C-9 to C-10	16.3	0.10
			C-10 to C-11	47.8	0.30
			C-11 to C-12	17.5	0.11

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1619			M-32, 3-1		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Pentane	1,593	41.5	<C-6	3,553	92.6
n-Hexane	20.4	0.53	C-6 to C-7	69.5	1.8
Benzene	41.2	1.1	C-7 to C-8	105	2.7
n-Heptane	25.2	0.66	C-8 to C-9	131	3.4
Toluene	74.9	2.0	C-9 to C-10	16.8	0.44
n-Octane	25.9	0.67	C-10 to C-11	19.4	0.50
Ethylbenzene	50.1	1.3	C-11 to C-12	0.0	0.0
n-Nonane	17.9	0.47			
n-Decane	19.3	0.50			

1620			M-32, 3-2		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Pentane	7,085	149	<C-6	7,928	167
n-Hexane	17.3	0.36	C-6 to C-7	54.1	1.1
Benzene	30.9	0.65	C-7 to C-8	92.0	1.9
n-Heptane	25.9	0.54	C-8 to C-9	113	2.4
Toluene	62.3	1.3	C-9 to C-10	15.2	0.32
n-Octane	25.3	0.53	C-10 to C-11	27.4	0.58
Ethylbenzene	41.6	0.88	C-11 to C-12	24.1	0.51
p-Xylene	43.0	0.90			
n-Nonane	16.1	0.34			
n-Decane	27.3	0.57			
Naphthalene	25.8	0.54			

1624			M-33, 2-2		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	24.9	0.54	<C-6	0.0	0.0
Benzene	22.7	0.49	C-6 to C-7	210	4.6
n-Heptane	40.8	0.89	C-7 to C-8	213	4.6
Toluene	52.7	1.1	C-8 to C-9	177	3.9
n-Octane	44.6	0.97	C-9 to C-10	83.1	1.8
Ethylbenzene	35.0	0.76	C-10 to C-11	126	2.7
p-Xylene	7.3	0.16	C-11 to C-12	164	3.6
n-Nonane	20.4	0.45			
n-Decane	10.4	0.23			
n-Butylbenzene	49.4	1.1			

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1625			M-33, 2-3		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	47.6	0.88	<C-6	0.0	0.0	
Benzene	71.4	1.3	C-6 to C-7	181	3.3	
n-Heptane	68.0	1.3	C-7 to C-8	412	7.6	
Toluene	168	3.1	C-8 to C-9	572	10.6	
n-Octane	76.2	1.4	C-9 to C-10	446	8.3	
Ethylbenzene	109	2.0	C-10 to C-11	476	8.8	
p-Xylene	197	3.6	C-11 to C-12	51.8	0.96	
n-Nonane	48.2	0.89				
n-Propylbenzene	22.2	0.41				
n-Decane	66.9	1.2				
n-Undecane	35.4	0.65				
Naphthalene	17.6	0.32				
1627			M-33, 4-1		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	0.8	0.0	<C-6	0.0	0.0	
Benzene	33.4	0.76	C-6 to C-7	81.7	1.9	
n-Heptane	29.5	0.67	C-7 to C-8	373	8.5	
Toluene	53.9	1.2	C-8 to C-9	1,478	33.5	
n-Octane	14.9	0.34	C-9 to C-10	1,902	43.2	
Ethylbenzene	193	4.4	C-10 to C-11	2,841	64.5	
p-Xylene	137	3.1	C-11 to C-12	3,233	73.4	
n-Nonane	14.5	0.33				
n-Propylbenzene	220	5.0				
n-Decane	167	3.8				
n-Butylbenzene	793	18.0				
n-Undecane	214	4.9				
Naphthalene	1,125	25.5				
1628			M-33, 4-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	9.9	0.8	<C-6	0.0	0.0	
Toluene	16.6	0.13	C-6 to C-7	0.0	0.0	
n-Octane	60.4	0.46	C-7 to C-8	558	4.3	
Ethylbenzene	519	4.0	C-8 to C-9	3,172	24.3	
p-Xylene	415	3.2	C-9 to C-10	14,517	111	
n-Nonane	1,380	10.6	C-10 to C-11	21,688	166	
n-Propylbenzene	1,778	13.6	C-11 to C-12	33,450	257	
n-Decane	1,393	10.70				
n-Butylbenzene	2,147	16.5				
n-Undecane	2,041	15.7				
Naphthalene	3,942	30.2				

F.L. Warren AFB - Specific Compound and boiling Point Results

(Soil MetOH P&T Samples)

1629			M-33, 4-3		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Octane	31.0	0.15	<C-6	0.0	0.0	
Ethylbenzene	91.9	0.44	C-6 to C-7	0.0	0.0	
p-Xylene	14.6	0.07	C-7 to C-8	7.0	0.0	
n-Nonane	174	0.83	C-8 to C-9	319	1.5	
n-Propylbenzene	483	2.3	C-9 to C-10	4,041	19.4	
n-Decane	438	2.1	C-10 to C-11	8,494	40.7	
n-Butylbenzene	866	4.2	C-11 to C-12	15,214	73.0	
n-Undecane	1,895	9.1				
Naphthalene	1,473	7.1				

1630			M-33, 4-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Toluene	7.5	0.03	<C-6	0.0	0.0	
Ethylbenzene	8.5	0.04	C-6 to C-7	0.0	0.0	
n-Nonane	34.6	0.15	C-7 to C-8	17.9	0.08	
n-Propylbenzene	120	0.53	C-8 to C-9	23.6	0.10	
n-Decane	241	1.1	C-9 to C-10	772	3.4	
n-Butylbenzene	567	2.5	C-10 to C-11	4,241	18.6	
n-Undecane	1,204	5.3	C-11 to C-12	8,340	36.5	
Naphthalene	1,142	5.0				

1632			M-34, 1-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	18.8	0.16	<C-6	9.8	0.08	
n-Hexane	701	5.9	C-6 to C-7	771	6.5	
Benzene	47.7	0.40	C-7 to C-8	131	1.1	
n-Heptane	30.0	0.25	C-8 to C-9	109	0.92	
Toluene	76.5	0.64	C-9 to C-10	27.1	0.23	
Ethylbenzene	56.7	0.48	C-10 to C-11	50.3	0.42	
n-Nonane	16.7	0.14	C-11 to C-12	0.0	0.0	
n-Decane	50.1	0.42				



## FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1633			M-34, 1-3			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )	Compound bp Range	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )		
2-Methylpentane	20.1	0.40	<C-6	10.5	0.21		
n-Hexane	4,448	89.7	C-6 to C-7	4,876	98.3		
2,4-Dimethylpentane	301	6.1	C-7 to C-8	388	7.8		
Benzene	78.9	1.6	C-8 to C-9	829	16.7		
n-Heptane	105	2.1	C-9 to C-10	60.5	1.2		
Toluene	266	5.4	C-10 to C-11	313	6.3		
n-Octane	71.2	1.4	C-11 to C-12	196	4.0		
Ethylbenzene	748	15.1					
n-Propylbenzene	51.7	1.0					
n-Decane	185	3.7					
n-Butylbenzene	20.8	0.42					
n-Undecane	23.5	0.47					
Naphthalene	87.6	1.8					

1634			M-34, 1-4			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )	Compound bp Range	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )		
n-Hexane	33.7	0.32	<C-6	0.0	0.0		
n-Heptane	26.2	0.25	C-6 to C-7	81.1	0.77		
Toluene	93.9	0.89	C-7 to C-8	127	1.2		
n-Octane	29.4	0.28	C-8 to C-9	166	1.6		
Ethylbenzene	71.1	0.67	C-9 to C-10	39.9	0.38		
n-Nonane	25.3	0.24	C-10 to C-11	228	2.2		
n-Propylbenzene	5.3	0.05	C-11 to C-12	14.5	0.14		
n-Decane	18.5	0.17					
Naphthalene	15.6	0.15					

1636			M-34, 3-2			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )	Compound bp Range	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )		
2-Methylbutane	7,484	28.9	<C-6	8,630	33.4		
n-Pentane	969	3.7	C-6 to C-7	23,538	91.0		
n-Hexane	15,962	61.7	C-7 to C-8	382	1.5		
2,4-Dimethylpentane	4,364	16.9	C-8 to C-9	315	1.2		
Benzene	153	0.59	C-9 to C-10	24.1	0.09		
n-Heptane	207	0.80	C-10 to C-11	112	0.43		
Toluene	173	0.67	C-11 to C-12	103	0.40		
n-Octane	74.9	0.29					
Ethylbenzene	122	0.47					
p-Xylene	111	0.43					
n-Propylbenzene	22.7	0.09					
n-Decane	90.1	0.35					
n-Butylbenzene	20.4	0.08					
n-Undecane	103	0.40					
1-Methylnaphthalene	288	1.1					

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1637			M-34, 3-3			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound	Mass (ng)	Concentration (µg/g dry wt)		
n-Hexane	651	1.5	<C-6	0.0	0.0		
2,4-Dimethylpentane	24.1	0.05	C-6 to C-7	682	1.5		
n-Heptane	2,226	5.0	C-7 to C-8	2,441	5.5		
Toluene	14.9	0.03	C-8 to C-9	124	0.28		
Ethylbenzene	41.2	0.09	C-9 to C-10	14.1	0.03		
p-Xylene	11.1	0.03	C-10 to C-11	335	0.76		
n-Nonane	14.9	0.03	C-11 to C-12	61.4	0.14		
n-Decane	64.0	0.14					
n-Butylbenzene	182	0.41					
n-Undecane	54.9	0.12					
1638			M-34, 3-4			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound	Mass (ng)	Concentration (µg/g dry wt)		
n-Heptane	1,658	4.4	<C-6	127	0.34		
Toluene	9.1	0.02	C-6 to C-7	0.0	0.0		
n-Decane	28.3	0.07	C-7 to C-8	1,570	4.1		
n-Undecane	13.4	0.04	C-8 to C-9	0.0	0.0		
			C-9 to C-10	20.2	0.05		
			C-10 to C-11	54.6	0.14		
			C-11 to C-12	43.7	0.12		
1639			M-29, 4-1			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound	Mass (ng)	Concentration (µg/g dry wt)		
n-Heptane	30.0	0.08	<C-6	0.0	0.0		
Ethylbenzene	2.8	0.01	C-6 to C-7	0.0	0.0		
p-Xylene	23.2	0.06	C-7 to C-8	32.3	0.08		
n-Nonane	72.8	0.18	C-8 to C-9	131	0.33		
n-Propylbenzene	765	1.9	C-9 to C-10	6,196	15.6		
n-Decane	959	2.4	C-10 to C-11	18,106	45.5		
n-Butylbenzene	1,195	3.0	C-11 to C-12	33,086	83.2		
n-Undecane	2,844	7.2					
Naphthalene	1,066	2.7					

## F.1 Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1640		M-29, 4-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	17.8	0.03	<C-6	0.0	0.0
Toluene	3.4	0.01	C-6 to C-7	0.0	0.0
p-Xylene	45.2	0.08	C-7 to C-8	20.4	0.03
n-Nonane	241	0.41	C-8 to C-9	401	0.68
n-Propylbenzene	1,557	2.6	C-9 to C-10	13,329	22.5
n-Decane	2,294	3.9	C-10 to C-11	40,721	68.7
n-Butylbenzene	2,326	3.9	C-11 to C-12	64,703	109
n-Undecane	3,362	5.7			
Naphthalene	2,081	3.5			

1641		M-29, 4-3		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	22.9	0.06	<C-6	0.0	0.0
n-Propylbenzene	252	0.62	C-6 to C-7	16.1	0.0
n-Decane	482	1.2	C-7 to C-8	21.5	0.05
n-Butylbenzene	1,675	4.1	C-8 to C-9	0.0	0.0
n-Undecane	6,270	15.4	C-9 to C-10	1,902	4.7
Naphthalene	9,972	24.5	C-10 to C-11	14,844	36.4
			C-11 to C-12	61,713	151

1642		M-29, 4-4		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	159	0.29	<C-6	0.0	0.0
2,4-Dimethylpentane	203	0.37	C-6 to C-7	313	0.57
n-Heptane	563	1.0	C-7 to C-8	673	1.2
Toluene	65.8	0.12	C-8 to C-9	225	0.41
n-Octane	46.6	0.08	C-9 to C-10	1,162	2.1
Ethylbenzene	45.3	0.08	C-10 to C-11	5,927	10.8
p-Xylene	87.9	0.16	C-11 to C-12	19,983	36.3
n-Nonane	79.1	0.14			
n-Propylbenzene	101	0.18			
n-Decane	301	0.55			
n-Butylbenzene	732	1.3			
n-Undecane	2,134	3.9			
Naphthalene	3,151	5.7			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1643		M-28, 3-1		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	13.4	0.04	<C-6	0.0	0.0
n-Propylbenzene	41.4	0.14	C-6 to C-7	0.0	0.0
n-Decane	88.8	0.29	C-7 to C-8	12.6	0.04
n-Butylbenzene	367	1.2	C-8 to C-9	0.0	0.0
n-Undecane	413	1.4	C-9 to C-10	390	1.3
Naphthalene	809	2.7	C-10 to C-11	2,223	7.4
			C-11 to C-12	4,619	15.3
1644		M-28, 3-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	317	1.0	<C-6	0.0	0.0
n-Heptane	282	0.91	C-6 to C-7	1,896	6.2
Toluene	130	0.42	C-7 to C-8	946	3.1
n-Octane	237	0.77	C-8 to C-9	1,215	3.9
Ethylbenzene	77.0	0.25	C-9 to C-10	3,931	12.8
p-Xylene	149	0.48	C-10 to C-11	11,165	36.2
n-Nonane	161	0.52	C-11 to C-12	7,819	25.4
n-Propylbenzene	509	1.7			
n-Decane	585	1.9			
n-Butylbenzene	1,420	4.6			
n-Undecane	1,474	4.8			
Naphthalene	1,063	3.5			
1645		M-28, 3-3		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	57	0.23	<C-6	0.0	0.0
n-Heptane	198	0.80	C-6 to C-7	1,397	5.7
Toluene	261	1.1	C-7 to C-8	817	3.3
n-Octane	2,466	1.0	C-8 to C-9	1,182	4.8
Ethylbenzene	122	0.50	C-9 to C-10	2,517	10.2
p-Xylene	356	1.4	C-10 to C-11	4,544	18.5
n-Nonane	281	1.1	C-11 to C-12	5,435	22.1
n-Propylbenzene	227	0.92			
n-Decane	420	1.7			
n-Butylbenzene	455	1.8			
n-Undecane	1,061	4.3			
Naphthalene	647	2.6			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1646			M-28, 3-4		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Toluene	103	0.31	<C-6	0.0	0.0
p-Xylene	13.1	0.04	C-6 to C-7	0.0	0.0
n-Propylbenzene	0.21	0.0	C-7 to C-8	122	0.37
n-Decane	76.7	0.23	C-8 to C-9	49.6	0.15
n-Butylbenzene	32.6	0.10	C-9 to C-10	123	0.37
n-Undecane	464	1.4	C-10 to C-11	649	2.0
Naphthalene	318	0.97	C-11 to C-12	2,848	8.7

1647			M-28, 1-1		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	13.2	0.05	<C-6	1,500	5.8
Toluene	165	0.64	C-6 to C-7	3,457	13.4
n-Octane	40.0	0.16	C-7 to C-8	207	0.80
Ethylbenzene	109	0.42	C-8 to C-9	854	3.3
p-Xylene	572	2.2	C-9 to C-10	805	3.1
n-Nonane	64.8	0.25	C-10 to C-11	574	2.2
n-Propylbenzene	33.1	0.13	C-11 to C-12	1,182	4.6
n-Decane	49.0	0.19			
n-Butylbenzene	95.2	0.37			
n-Undecane	250	0.97			
Naphthalene	220	0.86			

1648			M-28, 1-2		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	18.3	0.05	<C-6	1,399	4.1
2,4-Dimethylpentane	144	0.42	C-6 to C-7	15,773	46.3
Benzene	237	0.70	C-7 to C-8	3,850	11.3
n-Heptane	244	0.72	C-8 to C-9	12,295	36.1
Toluene	2,196	6.4	C-9 to C-10	13,119	38.5
n-Octane	424	1.2	C-10 to C-11	12,575	36.9
Ethylbenzene	1,503	4.4	C-11 to C-12	19,958	58.5
p-Xylene	7,756	22.8			
n-Nonane	383	1.1			
n-Propylbenzene	497	1.5			
n-Decane	994	2.9			
n-Butylbenzene	1,759	5.2			
n-Undecane	4,400	12.9			
Naphthalene	1,723	5.1			

## F.1 Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1652			M-27, 2-2		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	17.9	0.03	<C-6	0.0	0.0
Toluene	41.6	0.08	C-6 to C-7	311	0.58
n-Octane	5.1	0.01	C-7 to C-8	62.0	0.12
Ethylbenzene	32.4	0.06	C-8 to C-9	265	0.50
p-Xylene	172	0.32	C-9 to C-10	267	0.50
n-Nonane	10.8	0.02	C-10 to C-11	216	0.41
n-Propylbenzene	6.3	0.01	C-11 to C-12	76.7	0.14
n-Decane	19.3	0.04			
n-Butylbenzene	33.4	0.06			
n-Undecane	38.2	0.07			

1654			M-27, 2-4		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Benzene	611	1.7	<C-6	0.0	0.0
n-Heptane	63.4	0.18	C-6 to C-7	1,184	3.3
Toluene	2,263	6.4	C-7 to C-8	2,542	7.1
n-Octane	135	0.38	C-8 to C-9	3,713	10.4
Ethylbenzene	281	0.79	C-9 to C-10	2,263	6.4
p-Xylene	2,156	6.1	C-10 to C-11	1,911	5.4
n-Nonane	145	0.41	C-11 to C-12	1,616	4.5
n-Propylbenzene	53.1	0.15			
n-Decane	250	0.70			
n-Butylbenzene	340	0.95			
n-Undecane	578	1.6			
Naphthalene	314	0.88			

1655			M-28, 4-1		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	13.9	0.02	<C-6	0.0	0.0
Toluene	72.7	0.12	C-6 to C-7	0.0	0.0
Ethylbenzene	29.2	0.05	C-7 to C-8	92.1	0.16
p-Xylene	68.1	0.12	C-8 to C-9	117	0.20
n-Nonane	8.7	0.01	C-9 to C-10	65.4	0.11
n-Propylbenzene	7.8	0.01	C-10 to C-11	55.9	0.10
n-Decane	44.7	0.08	C-11 to C-12	0.0	0.0

## F.E. Warren AFB - Specific Compound and Sampling Point Results

(Soil MetOH P&amp;T Samples)

1656			M-28, 4-2		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration ( $\mu\text{g/g}$ dry wt)	Compound bp Range	Mass (ng)	Concentration ( $\mu\text{g/g}$ dry wt)
n-Heptane	12.9	0.03	<C-6	0.0	0.0
			C-6 to C-7	0.0	0.0
			C-7 to C-8	12.2	0.03
			C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	0.0	0.0
			C-11 to C-12	0.0	0.0
1658			M-28, 4-4		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration ( $\mu\text{g/g}$ dry wt)	Compound bp Range	Mass (ng)	Concentration ( $\mu\text{g/g}$ dry wt)
Benzene	44.6	0.06	<C-6	0.0	0.0
n-Heptane	30.1	0.04	C-6 to C-7	94.4	0.12
Toluene	182	0.24	C-7 to C-8	270	0.35
n-Octane	31.3	0.04	C-8 to C-9	528	0.68
p-Xylene	297	0.38	C-9 to C-10	702	0.91
n-Nonane	36.4	0.05	C-10 to C-11	1,040	1.3
n-Propylbenzene	20.8	0.03	C-11 to C-12	1,041	1.3
n-Decane	68.0	0.09			
n-Butylbenzene	171	0.22			
n-Undecane	223	0.29			
Naphthalene	58.9	0.08			
1660			M-26, 1-2		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration ( $\mu\text{g/g}$ dry wt)	Compound bp Range	Mass (ng)	Concentration ( $\mu\text{g/g}$ dry wt)
n-Heptane	16.6	0.08	<C-6	0.0	0.0
Toluene	58.2	0.27	C-6 to C-7	0.0	0.0
n-Octane	54.3	0.25	C-7 to C-8	78.9	0.36
Ethylbenzene	26.1	0.12	C-8 to C-9	184	0.84
p-Xylene	70.0	0.32	C-9 to C-10	142	0.65
n-Nonane	61.2	0.28	C-10 to C-11	124	0.57
n-Propylbenzene	10.8	0.05	C-11 to C-12	84.8	0.39
n-Decane	60.8	0.28			
n-Undecane	84.9	0.39			

F.I. Warren AFB - Specific Compound and Sampling Point Results

(Soil MetOH P&T Samples)

1662			M-26, 1-4		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Toluene	16.9	0.04	<C-6	0.0	0.0	
n-Decane	8.8	0.02	C-6 to C-7	0.0	0.0	
n-Undecane	9.6	0.02	C-7 to C-8	18.4	0.04	
			C-8 to C-9	0.0	0.0	
			C-9 to C-10	0.0	0.0	
			C-10 to C-11	8.8	0.02	
			C-11 to C-12	9.6	0.02	
1664			M-26, 3-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	12.4	0.02	<C-6	0.0	0.0	
Toluene	6.1	0.01	C-6 to C-7	0.0	0.0	
n-Decane	4.9	0.01	C-7 to C-8	21.1	0.05	
			C-8 to C-9	0.0	0.0	
			C-9 to C-10	0.0	0.0	
			C-10 to C-11	9.6	0.02	
			C-11 to C-12	0.0	0.0	
1666			M-26, 3-4		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	26.6	0.03	<C-6	10.2	0.01	
Toluene	103	0.12	C-6 to C-7	0.0	0.0	
n-Octane	63.0	0.07	C-7 to C-8	211	0.25	
Ethylbenzene	45.7	0.05	C-8 to C-9	415	0.49	
p-Xylene	178	0.21	C-9 to C-10	438	0.52	
n-Nonane	95.6	0.11	C-10 to C-11	413	0.49	
n-Propylbenzene	31.6	0.04	C-11 to C-12	274	0.33	
n-Decane	132	0.16				
n-Butylbenzene	13.9	0.02				
n-Undecane	181	0.22				
Naphthalene	18.0	0.02				



F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1668			M-25, 2-2			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)		
n-Heptane	46.9	0.10	<C-6	0.0	0.0		
Toluene	7.6	0.02	C-6 to C-7	40.9	0.08		
Ethylbenzene	26.4	0.05	C-7 to C-8	304	0.62		
p-Xylene	33.8	0.07	C-8 to C-9	356	0.73		
n-Nonane	65.5	0.13	C-9 to C-10	472	0.97		
n-Propylbenzene	36.2	0.07	C-10 to C-11	524	1.1		
n-Decane	61.4	0.13	C-11 to C-12	310	0.64		
n-Butylbenzene	51.1	0.10					
n-Undecane	11.7	0.02					
Naphthalene	18.0	0.04					

1670			M-25, 2-4			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)		
n-Hexane	169	0.44	<C-6	0.0	0.0		
2,4-Dimethylpentane	149	0.39	C-6 to C-7	284	0.74		
n-Heptane	14.6	0.04	C-7 to C-8	49.0	0.13		
Toluene	19.6	0.05	C-8 to C-9	35.9	0.09		
n-Octane	20.3	0.05	C-9 to C-10	29.0	0.08		
p-Xylene	15.1	0.04	C-10 to C-11	36.0	0.09		
n-Nonane	23.9	0.06	C-11 to C-12	28.1	0.07		
n-Propylbenzene	6.2	0.02					
n-Decane	29.4	0.08					
n-Undecane	28.2	0.07					

1672			M-25, 4-2			Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)		
Toluene	16.8	0.02	<C-6	0.0	0.0		
Ethylbenzene	11.7	0.01	C-6 to C-7	0.0	0.0		
p-Xylene	14.4	0.02	C-7 to C-8	29.4	0.03		
n-Decane	14.7	0.02	C-8 to C-9	27.0	0.03		
			C-9 to C-10	0.0	0.0		
			C-10 to C-11	14.8	0.02		
			C-11 to C-12	0.0	0.0		

## F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1674		M-25, 4-4		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Toluene	54.8	0.02	<C-6	0.0	0.0
n-Octane	23.3	0.01	C-6 to C-7	0.0	0.0
p-Xylene	54.3	0.02	C-7 to C-8	68.4	0.02
n-Nonane	33.7	0.01	C-8 to C-9	113	0.04
n-Propylbenzene	4.5	0.0	C-9 to C-10	49.2	0.02
n-Decane	13.2	0.0	C-10 to C-11	106	0.04
n-Butylbenzene	13.0	0.0	C-11 to C-12	65.9	0.02
n-Undecane	1.9	0.0			

1675		M-22, 1-1		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	15.6	0.01	<C-6	0.0	0.0
Toluene	16.2	0.01	C-6 to C-7	30.2	0.02
Ethylbenzene	12.3	0.01	C-7 to C-8	32.3	0.03
p-Xylene	16.3	0.01	C-8 to C-9	29.7	0.02
n-Propylbenzene	2.9	0.0	C-9 to C-10	19.6	0.02
n-Decane	14.1	0.01	C-10 to C-11	33.1	0.03
n-Undecane	24.0	0.02	C-11 to C-12	24.0	0.02

1676		M-22, 1-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Toluene	20.8	0.03	<C-6	0.0	0.0
n-Undecane	6.0	0.01	C-6 to C-7	0.0	0.0
			C-7 to C-8	22.6	0.03
			C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	0.0	0.0
			C-11 to C-12	6.0	0.01

F.B. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1679		M-22, 3-1		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	6.9	0.01	<C-6	0.0	0.0
Benzene	4.3	0.0	C-6 to C-7	12.0	0.01
Toluene	9.9	0.01	C-7 to C-8	10.7	0.01
Ethylbenzene	7.7	0.01	C-8 to C-9	7.8	0.01
p-Xylene	5.0	0.0	C-9 to C-10	5.3	0.0
			C-10 to C-11	0.0	0.0
			C-11 to C-12	0.0	0.0
1680		M-22, 3-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	10.5	0.01	<C-6	0.0	0.0
Toluene	147	0.10	C-6 to C-7	59.1	0.04
Ethylbenzene	156	0.11	C-7 to C-8	225	0.16
p-Xylene	63.2	0.05	C-8 to C-9	347	0.25
n-Nonane	14.4	0.01	C-9 to C-10	295	0.21
n-Propylbenzene	19.8	0.01	C-10 to C-11	913	0.65
n-Decane	251	0.18	C-11 to C-12	1,456	1.0
n-Butylbenzene	55.1	0.04			
n-Undecane	148	0.11			
Naphthalene	221	0.16			
1684		M-14, 1-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Toluene	46.2	0.16	<C-6	0.0	0.0
n-Octane	39.7	0.14	C-6 to C-7	0.0	0.0
Ethylbenzene	33.0	0.12	C-7 to C-8	50.2	0.18
p-Xylene	21.4	0.08	C-8 to C-9	95.1	0.33
n-Nonane	47.9	0.17	C-9 to C-10	77.9	0.27
n-Propylbenzene	11.5	0.04	C-10 to C-11	281	0.99
n-Decane	52.6	0.18	C-11 to C-12	169	0.59
n-Butylbenzene	9.8	0.03			
n-Undecane	19.5	0.07			
Naphthalene	107	0.38			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1685	M-14, 1-3		Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Toluene	10.5	0.04	<C-6	0.0	0.0
n-Decane	16.9	0.06	C-6 to C-7	0.0	0.0
n-Undecane	4.1	0.01	C-7 to C-8	42.0	0.14
Naphthalene	65.8	0.22	C-8 to C-9	21.7	0.07
n-Dodecane	36.8	0.12	C-9 to C-10	46.6	0.16
n-Tetradecane	110	0.37	C-10 to C-11	106	0.36
n-Pentadecane	245	0.83	C-11 to C-12	65.6	0.22

1688	M-14, 3-2		Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	12.2	0.03	<C-6	0.0	0.0
Toluene	17.2	0.05	C-6 to C-7	200	0.56
Ethylbenzene	33.8	0.10	C-7 to C-8	122	0.35
p-Xylene	11.5	0.03	C-8 to C-9	46.4	0.13
n-Nonane	54.0	0.15	C-9 to C-10	134	0.38
n-Propylbenzene	0.68	0.00	C-10 to C-11	23.0	0.07
n-Decane	11.8	0.03	C-11 to C-12	133	0.38
n-Undecane	73.3	0.21			
Naphthalene	63.8	0.18			

1689	M-14, 3-3		Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	10.1	0.03	<C-6	0.0	0.0
n-Heptane	128	0.33	C-6 to C-7	62.7	0.16
Toluene	61.7	0.16	C-7 to C-8	271	0.70
n-Octane	223	0.58	C-8 to C-9	415	1.1
Ethylbenzene	21.5	0.06	C-9 to C-10	610	1.6
p-Xylene	10.6	0.03	C-10 to C-11	810	2.1
n-Nonane	249	0.64	C-11 to C-12	581	1.5
n-Propylbenzene	61.5	0.16			
n-Decane	62.6	0.16			
n-Butylbenzene	168	0.43			
n-Undecane	52.9	0.14			
Naphthalene	81.9	0.21			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1691			M-9, 2-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	62.9	0.10	<C-6	0.0	0.0	
n-Heptane	10.7	0.02	C-6 to C-7	175	0.29	
Toluene	39.9	0.07	C-7 to C-8	69.5	0.11	
Ethylbenzene	18.1	0.03	C-8 to C-9	54.1	0.09	
n-Propylbenzene	10.8	0.02	C-9 to C-10	83.2	0.14	
n-Decane	4.2	0.01	C-10 to C-11	76.2	0.13	
n-Butylbenzene	5.3	0.01	C-11 to C-12	57.1	0.09	
Naphthalene	61.1	0.10				
1692			M-9, 2-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	6.2	0.02	<C-6	0.0	0.0	
Toluene	7.2	0.02	C-6 to C-7	22.0	0.07	
n-Propylbenzene	107	0.33	C-7 to C-8	13.7	0.04	
n-Decane	37.3	0.12	C-8 to C-9	0.0	0.0	
n-Butylbenzene	162	0.51	C-9 to C-10	149	0.47	
			C-10 to C-11	359	1.1	
			C-11 to C-12	853	2.7	
1693			M-9, 2-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	12.7	0.03	<C-6	0.0	0.0	
Toluene	18.3	0.05	C-6 to C-7	81.8	0.22	
Ethylbenzene	35.4	0.10	C-7 to C-8	114	0.31	
n-Decane	23.0	0.06	C-8 to C-9	94.1	0.25	
n-Butylbenzene	25.9	0.07	C-9 to C-10	96.2	0.26	
n-Undecane	10.0	0.03	C-10 to C-11	192	0.52	
Naphthalene	130	0.35	C-11 to C-12	153	0.41	

## F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1695			M-9, 4-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	58.2	0.11	<C-6	0.0	0.0	
n-Heptane	13.2	0.02	C-6 to C-7	846	1.6	
Toluene	12.3	0.02	C-7 to C-8	25.8	0.05	
n-Propylbenzene	1.2	0.0	C-8 to C-9	0.0	0.0	
			C-9 to C-10	1.3	0.0	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	
1696			M-9, 4-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	12.9	0.03	<C-6	0.0	0.0	
n-Decane	5.9	0.01	C-6 to C-7	0.0	0.0	
			C-7 to C-8	12.1	0.02	
			C-8 to C-9	0.0	0.0	
			C-9 to C-10	0.0	0.0	
			C-10 to C-11	6.0	0.01	
			C-11 to C-12	0.0	0.0	
1700			M-8, 1-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	14.4	0.02	<C-6	0.0	0.0	
Toluene	3.2	0.0	C-6 to C-7	0.0	0.0	
			C-7 to C-8	17.0	0.02	
			C-8 to C-9	0.0	0.0	
			C-9 to C-10	8.0	0.01	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	

## F.B. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1701		M-8, 1-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Toluene	25.9	0.04	<C-6	0.0	0.0
n-Octane	19.3	0.03	C-6 to C-7	0.0	0.0
Ethylbenzene	29.2	0.05	C-7 to C-8	36.2	0.06
n-Nonane	27.5	0.04	C-8 to C-9	48.6	0.08
n-Propylbenzene	2.6	0.00	C-9 to C-10	49.5	0.08
n-Decane	54.8	0.09	C-10 to C-11	66.8	0.11
n-Undecane	89.5	0.14	C-11 to C-12	163	0.26
Naphthalene	78.7	0.12			

1704		M-8, 3-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	16.5	0.04	<C-6	0.0	0.0
Ethylbenzene	13.3	0.03	C-6 to C-7	886	2.1
n-Propylbenzene	6.9	0.02	C-7 to C-8	138	0.33
n-Decane	30.5	0.07	C-8 to C-9	93.5	0.23
n-Butylbenzene	2.6	0.01	C-9 to C-10	255	0.62
Naphthalene	249	0.60	C-10 to C-11	233	0.56
			C-11 to C-12	233	0.56

1705		M-8, 3-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	32.8	0.03	<C-6	19.1	0.02
2,4-Dimethylpentane	80.1	0.08	C-6 to C-7	389	0.38
n-Heptane	12.7	0.01	C-7 to C-8	580	0.57
Toluene	89.4	0.09	C-8 to C-9	675	0.66
Ethylbenzene	213	0.21	C-9 to C-10	799	0.78
p-Xylene	92.3	0.09	C-10 to C-11	741	0.73
n-Nonane	27.9	0.03	C-11 to C-12	411	0.40
n-Propylbenzene	44.1	0.04			
n-Decane	176	0.17			
n-Butylbenzene	36.9	0.04			
n-Undecane	9.5	0.01			
Naphthalene	343	0.34			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1707			M-7, 2-1		Date Sampled 1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	22.9	0.03	<C-6	0.0	0.0
Toluene	75.9	0.11	C-6 to C-7	5,750	8.0
Ethylbenzene	187	0.26	C-7 to C-8	762	1.1
p-Xylene	118	0.16	C-8 to C-9	438	0.61
n-Nonane	432	0.60	C-9 to C-10	1,603	2.2
n-Propylbenzene	82.2	0.11	C-10 to C-11	1,430	2.0
n-Decane	200	0.28	C-11 to C-12	1,049	1.5
n-Butylbenzene	106	0.15			
n-Undecane	84.6	0.12			
Naphthalene	682	0.95			
1708			M-7, 2-2		Date Sampled 1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	97.4	0.12	<C-6	0.0	0.0
Benzene	40.5	0.05	C-6 to C-7	701	0.84
n-Heptane	9.9	0.01	C-7 to C-8	287	0.35
Toluene	195	0.23	C-8 to C-9	296	0.36
Ethylbenzene	158	0.19	C-9 to C-10	191	0.23
n-Nonane	83.7	0.10	C-10 to C-11	115	0.14
n-Propylbenzene	17.8	0.02	C-11 to C-12	93.5	0.11
n-Decane	13.4	0.02			
n-Butylbenzene	3.4	0.00			
Naphthalene	80.8	0.10			
1711			M-7, 4-1		Date Sampled 1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	20.3	0.02	<C-6	21.9	0.02
n-Heptane	73.7	0.07	C-6 to C-7	1,808	1.7
Toluene	52.3	0.05	C-7 to C-8	379	0.35
Ethylbenzene	27.5	0.03	C-8 to C-9	219	0.21
p-Xylene	49.0	0.05	C-9 to C-10	483	0.45
n-Nonane	109	0.10	C-10 to C-11	413	0.39
n-Propylbenzene	105	0.10	C-11 to C-12	191	0.18
n-Decane	60.3	0.06			
n-Butylbenzene	109	0.10			
n-Undecane	64.9	0.06			
Naphthalene	86.9	0.08			



## (Soil MetOH P&amp;T Samples)

1712			M-7, 4-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )	Compound bp Range		Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )
n-Heptane	11.7	0.03	<C-6		63.1	0.16
Toluene	39.6	0.10	C-6 to C-7		1,992	5.0
Ethylbenzene	24.6	0.06	C-7 to C-8		156	0.39
n-Propylbenzene	3.7	0.01	C-8 to C-9		133	0.33
n-Decane	48.8	0.12	C-9 to C-10		10.9	0.03
n-Undecane	43.7	0.11	C-10 to C-11		49.0	0.12
Naphthalene	19.5	0.05	C-11 to C-12		61.8	0.15

1713			M-7, 4-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )	Compound bp Range		Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )
Toluene	33.2	0.03	<C-6		0.0	0.0
n-Octane	51.6	0.05	C-6 to C-7		1,581	1.5
p-Xylene	67.7	0.07	C-7 to C-8		55.0	0.05
n-Propylbenzene	5.0	0.0	C-8 to C-9		122	0.12
			C-9 to C-10		5.4	0.01
			C-10 to C-11		4.5	0.0
			C-11 to C-12		0.0	0.0

1715			M-6, 1-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )	Compound bp Range		Mass (ng)	Concentration ( $\mu\text{g/g dry wt}$ )
n-Heptane	8.6	0.01	<C-6		0.0	0.0
Ethylbenzene	20.1	0.02	C-6 to C-7		951	1.2
Naphthalene	30.4	0.04	C-7 to C-8		105	0.13
			C-8 to C-9		38.2	0.05
			C-9 to C-10		34.9	0.04
			C-10 to C-11		30.5	0.04
			C-11 to C-12		28.3	0.04

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1719			Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	13.0	0.01	<C-6	0.0	0.0
Toluene	2.2	0.0	C-6 to C-7	406	0.30
n-Decane	9.2	0.01	C-7 to C-8	29.6	0.02
n-Undecane	21.2	0.02	C-8 to C-9	0.0	0.0
Naphthalene	57.3	0.04	C-9 to C-10	19.0	0.01
			C-10 to C-11	18.1	0.01
			C-11 to C-12	74.7	0.05

1723			Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	54.5	0.04	<C-6	0.0	0.0
n-Propylbenzene	46.1	0.04	C-6 to C-7	15.0	0.01
n-Decane	52.6	0.04	C-7 to C-8	51.2	0.04
n-Butylbenzene	167	0.13	C-8 to C-9	0.0	0.0
n-Undecane	86.7	0.07	C-9 to C-10	90.2	0.07
Naphthalene	27.2	0.02	C-10 to C-11	373	0.29
			C-11 to C-12	451	0.35

1724			Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Decane	39.0	0.03	<C-6	0.0	0.0
n-Butylbenzene	66.9	0.06	C-6 to C-7	5.4	0.0
n-Undecane	478	0.42	C-7 to C-8	28.5	0.03
Naphthalene	1,786	1.6	C-8 to C-9	14.5	0.01
			C-9 to C-10	84.8	0.07
			C-10 to C-11	833	0.73
			C-11 to C-12	6,398	5.6

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1725	M-30, 3-2		Date Sampled 1/14/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Toluene	66.1	0.07	<C-6	0.0	0.0
n-Octane	19.0	0.02	C-6 to C-7	0.0	0.0
Ethylbenzene	21.4	0.02	C-7 to C-8	71.8	0.07
p-Xylene	40.9	0.04	C-8 to C-9	98.0	0.10
n-Nonane	28.3	0.03	C-9 to C-10	125	0.13
n-Propylbenzene	10.3	0.0	C-10 to C-11	746	0.76
n-Decane	117	0.12	C-11 to C-12	4,035	4.1
n-Butylbenzene	79.2	0.08			
n-Undecane	664	0.68			
Naphthalene	754	0.77			
1726	M-5, 2-4		Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
p-Xylene	32.7	0.03	<C-6	0.0	0.0
n-Propylbenzene	34.2	0.03	C-6 to C-7	369	0.30
n-Decane	29.4	0.02	C-7 to C-8	118	0.10
n-Butylbenzene	19.8	0.02	C-8 to C-9	100	0.08
n-Undecane	72.7	0.06	C-9 to C-10	210	0.17
Naphthalene	688	0.56	C-10 to C-11	430	0.35
			C-11 to C-12	2,113	1.7
1727	M-5, 4-1		Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	11.5	0.01	<C-6	11.0	0.0
Toluene	6.7	0.01	C-6 to C-7	88.9	0.08
n-Propylbenzene	156	0.14	C-7 to C-8	70.9	0.06
n-Decane	283	0.25	C-8 to C-9	47.5	0.0
n-Butylbenzene	169	0.15	C-9 to C-10	880	0.77
n-Undecane	932	0.81	C-10 to C-11	2,707	2.4
Naphthalene	1,333	1.2	C-11 to C-12	5,870	5.1

F.E. [redacted] rren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1731			Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	21.6	0.04	<C-6	0.0	0.0
Toluene	150	0.27	C-6 to C-7	510	0.92
n-Octane	61.2	0.11	C-7 to C-8	200	0.36
Ethylbenzene	537	0.97	C-8 to C-9	1,029	1.9
p-Xylene	235	0.42	C-9 to C-10	1,226	2.2
n-Nonane	17.1	0.03	C-10 to C-11	2,441	4.4
n-Propylbenzene	233	0.42	C-11 to C-12	2,503	4.5
n-Decane	262	0.47			
n-Butylbenzene	416	0.75			
n-Undecane	357	0.64			
Naphthalene	848	1.5			

1732			Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	13.8	0.01	<C-6	0.0	0.0
Toluene	4.8	0.00	C-6 to C-7	19.8	0.02
Ethylbenzene	14.7	0.01	C-7 to C-8	18.1	0.02
n-Decane	37.4	0.04	C-8 to C-9	14.9	0.02
n-Butylbenzene	10.5	0.01	C-9 to C-10	32.2	0.03
n-Undecane	136	0.14	C-10 to C-11	108	0.11
			C-11 to C-12	499	0.50

1733			Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	123	0.09	<C-6	618	0.43
2,4-Dimethylpentane	132	0.09	C-6 to C-7	822	0.57
n-Heptane	63.3	0.04	C-7 to C-8	1,123	0.79
Toluene	83.5	0.06	C-8 to C-9	1,608	1.1
Ethylbenzene	641	0.45	C-9 to C-10	3,188	2.2
p-Xylene	278	0.19	C-10 to C-11	4,233	3.0
n-Nonane	13.9	0.01	C-11 to C-12	854	0.60
n-Propylbenzene	181	0.13			
n-Decane	2,355	1.6			
n-Butylbenzene	161	0.11			
n-Undecane	166	0.12			
Naphthalene	276	0.19			

## (Soil MetOH P&amp;T Samples)

1735			M-1, 4-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	396	0.42	<C-6	0.0	0.0	
2,4-Dimethylpentane	58.9	0.06	C-6 to C-7	1,492	1.6	
Benzene	108	0.12	C-7 to C-8	1,875	2.0	
n-Heptane	272	0.29	C-8 to C-9	2,067	2.2	
Toluene	155	0.17	C-9 to C-10	3,633	3.9	
Ethylbenzene	821	0.88	C-10 to C-11	5,913	6.3	
p-Xylene	64.3	0.07	C-11 to C-12	3,233	3.5	
n-Nonane	22.1	0.02				
n-Propylbenzene	238	0.25				
n-Decane	2,891	3.1				
n-Butylbenzene	297	0.32				
n-Undecane	275	0.29				
Naphthalene	1,275	1.4				

1739			M-4, 1-1		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Benzene	2.1	0.0	<C-6	0.0	0.0	
Toluene	17.6	0.01	C-6 to C-7	2.4	0.0	
n-Decane	8.2	0.01	C-7 to C-8	19.2	0.01	
			C-8 to C-9	0.0	0.0	
			C-9 to C-10	0.0	0.0	
			C-10 to C-11	8.2	0.01	
			C-11 to C-12	0.0	0.0	

1740			M-4, 1-2		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	8.6	0.01	<C-6	0.0	0.0	
Toluene	11.2	0.01	C-6 to C-7	221	0.19	
Ethylbenzene	36.5	0.03	C-7 to C-8	104	0.09	
n-Nonane	24.1	0.02	C-8 to C-9	37.1	0.03	
n-Propylbenzene	36.0	0.03	C-9 to C-10	254	0.21	
n-Decane	59.6	0.05	C-10 to C-11	642	0.54	
n-Butylbenzene	36.7	0.03	C-11 to C-12	941	0.79	
n-Undecane	41.8	0.04				
Naphthalene	439	0.37				

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1743	M-4, 3-1		Date Sampled 1/18/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	6.5	0.01	<C-6	7.1	0.01
n-Heptane	23.0	0.02	C-6 to C-7	0.0	0.0
Toluene	19.6	0.02	C-7 to C-8	52.0	0.04
n-Decane	6.7	0.01	C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	17.1	0.01
			C-11 to C-12	8.5	0.01
1744	M-4, 3-2		Date Sampled 1/18/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	1,136	0.84	<C-6	1,805	1.3
n-Hexane	16.5	0.01	C-6 to C-7	16.8	0.01
n-Heptane	4,388	3.24	C-7 to C-8	4,127	3.1
			C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	0.0	0.0
			C-11 to C-12	0.0	0.0
1745	M-4, 3-3		Date Sampled 1/18/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Decane	17.2	0.01	<C-6	0.0	0.0
n-Butylbenzene	14.3	0.01	C-6 to C-7	289	0.17
n-Undecane	10.8	0.01	C-7 to C-8	47.3	0.03
			C-8 to C-9	20.5	0.01
			C-9 to C-10	45.8	0.03
			C-10 to C-11	75.5	0.04
			C-11 to C-12	23.9	0.01

## F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1746			M-4, 3-4		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	15.3	0.03	<C-6	16.6	0.03	
n-Propylbenzene	0.96	0.0	C-6 to C-7	122	0.20	
Naphthalene	25.8	0.04	C-7 to C-8	98.1	0.16	
			C-8 to C-9	74.1	0.12	
			C-9 to C-10	95.8	0.16	
			C-10 to C-11	26.7	0.04	
			C-11 to C-12	62.9	0.10	
1748			M-3, 2-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	2.4	0.0	<C-6	0.0	0.0	
2,4-Dimethylpentane	59.6	0.09	C-6 to C-7	408	0.64	
n-Heptane	12.4	0.02	C-7 to C-8	868	1.4	
Toluene	201	0.32	C-8 to C-9	1,447	2.3	
Ethylbenzene	125	0.20	C-9 to C-10	3,542	5.6	
p-Xylene	225	0.35	C-10 to C-11	5,607	8.8	
n-Nonane	95.7	0.15	C-11 to C-12	5,130	8.1	
n-Propylbenzene	713	1.1				
n-Decane	301	0.47				
n-Butylbenzene	1,095	1.7				
n-Undecane	764	1.2				
Naphthalene	586	0.92				
1749			M-3, 2-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Benzene	40.6	0.07	<C-6	0.0	0.0	
n-Heptane	102	0.18	C-6 to C-7	48.0	0.08	
Toluene	47.0	0.08	C-7 to C-8	395	0.70	
Ethylbenzene	91.4	0.16	C-8 to C-9	285	0.50	
p-Xylene	54.8	0.10	C-9 to C-10	1,154	2.0	
n-Nonane	256	0.45	C-10 to C-11	1,330	2.3	
n-Propylbenzene	184	0.32	C-11 to C-12	524	0.93	
n-Decane	305	0.54				
n-Butylbenzene	233	0.41				
n-Undecane	98.0	0.17				
Naphthalene	267	0.47				

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1751		M-3, 4-1		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	140	0.10	<C-6	152	0.11
n-Hexane	6.4	0.00	C-6 to C-7	1,357	0.98
n-Heptane	24.6	0.02	C-7 to C-8	415	0.30
Toluene	19.7	0.01	C-8 to C-9	276	0.20
Ethylbenzene	50.6	0.04	C-9 to C-10	1,948	1.4
p-Xylene	17.5	0.01	C-10 to C-11	7,610	5.5
n-Nonane	42.6	0.03	C-11 to C-12	17,027	12.3
n-Propylbenzene	380	0.27			
n-Decane	390	0.28			
n-Butylbenzene	978	0.71			
n-Undecane	2,195	1.6			
Naphthalene	2,657	1.9			

1752		M-3, 4-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	10.6	0.03	<C-6	11.5	0.04
n-Heptane	15.3	0.05	C-6 to C-7	88.3	0.28
Toluene	47.2	0.15	C-7 to C-8	76.1	0.24
Ethylbenzene	12.8	0.04	C-8 to C-9	13.0	0.04
n-Nonane	22.8	0.07	C-9 to C-10	69.4	0.22
n-Decane	63.5	0.20	C-10 to C-11	662	2.1
n-Butylbenzene	92.9	0.29	C-11 to C-12	1,762	5.6
n-Undecane	152	0.48			
Naphthalene	937	3.0			

1755		M-2, 1-1		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	11.9	0.01	<C-6	0.0	0.0
Toluene	9.4	0.01	C-6 to C-7	39.2	0.04
Ethylbenzene	33.1	0.03	C-7 to C-8	172	0.17
n-Nonane	27.1	0.03	C-8 to C-9	39.5	0.04
n-Propylbenzene	13.5	0.01	C-9 to C-10	58.6	0.06
n-Decane	39.4	0.04	C-10 to C-11	104	0.10
n-Undecane	8.0	0.01	C-11 to C-12	97.3	0.09
Naphthalene	74.6	0.07			



F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1756		M-2, 1-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	96.4	0.15	<C-6	0.0	0.0
Benzene	42.1	0.07	C-6 to C-7	156	0.24
n-Heptane	8.6	0.01	C-7 to C-8	69.6	0.11
Toluene	49.4	0.08	C-8 to C-9	94.4	0.15
n-Octane	18.6	0.03	C-9 to C-10	39.2	0.06
Ethylbenzene	30.9	0.05	C-10 to C-11	28.8	0.04
p-Xylene	42.3	0.07	C-11 to C-12	51.3	0.08
n-Nonane	18.9	0.03			
n-Propylbenzene	6.5	0.01			
n-Decane	14.1	0.02			
n-Undecane	13.1	0.02			
Naphthalene	40.9	0.06			

1757		M-2, 1-3		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	8.2	0.01	<C-6	0.0	0.0
Toluene	24.0	0.03	C-6 to C-7	0.0	0.0
Ethylbenzene	19.5	0.02	C-7 to C-8	33.8	0.04
n-Decane	10.3	0.01	C-8 to C-9	19.8	0.02
n-Butylbenzene	43.2	0.05	C-9 to C-10	9.7	0.01
n-Undecane	11.9	0.01	C-10 to C-11	55.9	0.06
			C-11 to C-12	11.9	0.01

1760		M-2, 3-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	55.8	0.15	<C-6	0.0	0.0
n-Heptane	54.1	0.15	C-6 to C-7	56.9	0.16
Toluene	28.2	0.08	C-7 to C-8	81.5	0.22
n-Octane	28.7	0.08	C-8 to C-9	55.8	0.15
Ethylbenzene	17.6	0.05	C-9 to C-10	29.4	0.08
n-Nonane	19.3	0.05	C-10 to C-11	24.0	0.07
n-Propylbenzene	3.3	0.01	C-11 to C-12	59.5	0.16
n-Decane	23.9	0.07			
n-Undecane	26.5	0.07			
Naphthalene	35.4	0.10			

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1761	M-2, 3-3		Date Sampled 1/15/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	16.7	0.04	<C-6	0.0	0.0
Toluene	47.7	0.11	C-6 to C-7	0.0	0.0
n-Decane	11.3	0.02	C-7 to C-8	112	0.25
n-Undecane	16.2	0.04	C-8 to C-9	0.0	0.0
			C-9 to C-10	5.6	0.01
			C-10 to C-11	21.9	0.05
			C-11 to C-12	16.2	0.04
1764	M-19, 2-2		Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	14.2	0.03	<C-6	15.3	0.04
n-Hexane	32.9	0.08	C-6 to C-7	84.7	0.20
n-Heptane	44.8	0.11	C-7 to C-8	155	0.37
Toluene	76.1	0.18	C-8 to C-9	228	0.54
n-Octane	58.7	0.14	C-9 to C-10	245	0.58
Ethylbenzene	60.6	0.14	C-10 to C-11	390	0.92
p-Xylene	69.8	0.17	C-11 to C-12	315	0.74
n-Nonane	67.0	0.16			
n-Propylbenzene	19.4	0.05			
n-Decane	105	0.25			
n-Butylbenzene	34.2	0.08			
n-Undecane	172	0.41			
Naphthalene	27.8	0.07			
1765	M-19, 2-3		Date Sampled 1/19/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	23.4	0.10	<C-6	0.0	0.0
Toluene	27.9	0.11	C-6 to C-7	54.9	0.22
n-Octane	28.9	0.12	C-7 to C-8	71.0	0.29
p-Xylene	19.8	0.08	C-8 to C-9	49.4	0.20
n-Nonane	35.4	0.14	C-9 to C-10	64.2	0.26
n-Propylbenzene	8.0	0.03	C-10 to C-11	82.9	0.34
n-Decane	11.5	0.05	C-11 to C-12	70.9	0.29
n-Butylbenzene	13.0	0.05			
n-Undecane	7.9	0.03			

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1767	FEW M-19, 4-1			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	10.8	0.0	<C-6	41.1	0.0
Toluene	6.9	0.0	C-6 to C-7	14.0	0.0
n-Decane	15.8	0.0	C-7 to C-8	17.6	0.0
n-Butylbenzene	1.1	0.0	C-8 to C-9	0.0	0.0
n-Undecane	26.6	0.03	C-9 to C-10	11.6	0.0
			C-10 to C-11	21.2	0.0
			C-11 to C-12	26.5	0.0
1768	M-19, 4-2			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	9.7	0.01	<C-6	0.0	0.0
Toluene	6.5	0.01	C-6 to C-7	80.6	0.12
n-Decane	3.1	0.0	C-7 to C-8	17.3	0.03
n-Butylbenzene	11.2	0.02	C-8 to C-9	0.0	0.0
n-Undecane	14.6	0.02	C-9 to C-10	22.2	0.03
			C-10 to C-11	19.2	0.03
			C-11 to C-12	14.5	0.02
1769	M-19, 4-3			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	70.8	0.13	<C-6	93.0	0.17
2,4-Dimethylpentane	127	0.23	C-6 to C-7	1,278	2.3
n-Heptane	178	0.32	C-7 to C-8	818	1.5
Toluene	50.0	0.09	C-8 to C-9	275	0.50
Ethylbenzene	113	0.20	C-9 to C-10	778	1.4
p-Xylene	5.8	0.01	C-10 to C-11	151	0.27
n-Nonane	369	0.67	C-11 to C-12	398	0.72
n-Propylbenzene	17.5	0.03			
n-Decane	44.8	0.08			
n-Butylbenzene	44.6	0.08			
n-Undecane	227	0.41			
Naphthalene	183	0.33			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1772			M-0, 1-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	7.1	0.01	<C-6	0.0	0.0	
Toluene	46.8	0.08	C-6 to C-7	0.0	0.0	
n-Octane	76.8	0.14	C-7 to C-8	87.8	0.16	
Ethylbenzene	41.6	0.07	C-8 to C-9	233	0.42	
p-Xylene	34.2	0.06	C-9 to C-10	1,441	2.6	
n-Nonane	191	0.34	C-10 to C-11	2,542	4.5	
n-Propylbenzene	56.5	0.10	C-11 to C-12	2,235	4.0	
n-Decane	122	0.22				
n-Butylbenzene	222	0.40				
n-Undecane	230	0.41				
Naphthalene	451	0.81				

1773			M-0, 1-3		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	15.6	0.02	<C-6	0.0	0.0	
Toluene	41.4	0.05	C-6 to C-7	0.0	0.0	
Ethylbenzene	25.4	0.03	C-7 to C-8	59.6	0.07	
n-Propylbenzene	34.0	0.04	C-8 to C-9	25.8	0.03	
n-Decane	79.1	0.09	C-9 to C-10	111	0.13	
n-Butylbenzene	48.2	0.06	C-10 to C-11	577	0.66	
n-Undecane	51.2	0.06	C-11 to C-12	180	0.21	
Naphthalene	46.0	0.05				

1776			M-0, 3-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	298	0.60	<C-6	365	0.73	
n-Hexane	146	0.29	C-6 to C-7	3,310	6.6	
Benzene	175	0.35	C-7 to C-8	5,749	11.5	
n-Heptane	382	0.77	C-8 to C-9	9,159	18.3	
Toluene	993	2.0	C-9 to C-10	19,134	38.3	
n-Octane	67.3	0.13	C-10 to C-11	26,394	52.9	
Ethylbenzene	356	0.71	C-11 to C-12	20,233	40.5	
p-Xylene	924	1.9				
n-Nonane	93.4	0.19				
n-Propylbenzene	870	1.7				
n-Decane	1,170	2.3				
n-Butylbenzene	5,539	11.1				
n-Undecane	3,125	6.3				
Naphthalene	1,659	3.3				

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1777		M-0, 3-3		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	10.2	0.02	<C-6	11.0	0.02
n-Heptane	7.0	0.01	C-6 to C-7	73.6	0.11
Toluene	102	0.16	C-7 to C-8	445	0.67
n-Octane	330	0.50	C-8 to C-9	1,176	1.8
Ethylbenzene	50.3	0.08	C-9 to C-10	2,292	3.5
p-Xylene	110	0.17	C-10 to C-11	3,631	5.5
n-Nonane	481	0.73	C-11 to C-12	6,337	9.6
n-Propylbenzene	145	0.22			
n-Decane	809	1.2			
n-Butylbenzene	325	0.49			
n-Undecane	1,110	1.7			
Naphthalene	771	1.2			

1780		M-21, 2-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	12.8	0.03	<C-6	0.0	0.0
Toluene	18.4	0.05	C-6 to C-7	0.0	0.0
n-Octane	6.7	0.02	C-7 to C-8	32.0	0.08
n-Decane	29.7	0.08	C-8 to C-9	6.6	0.02
n-Undecane	24.5	0.06	C-9 to C-10	0.0	0.0
			C-10 to C-11	29.9	0.08
			C-11 to C-12	29.9	0.08

1781		M-21, 2-3		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	13.0	0.03	<C-6	0.0	0.0
Toluene	7.0	0.02	C-6 to C-7	0.0	0.0
n-Decane	9.6	0.02	C-7 to C-8	23.2	0.05
			C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	9.6	0.02
			C-11 to C-12	0.0	0.0

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1784			M-21, 4-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Benzene	53.6	0.07	<C-6	0.0	0.0	
n-Heptane	14.4	0.02	C-6 to C-7	63.4	0.08	
Toluene	77.5	0.09	C-7 to C-8	97.7	0.12	
p-Xylene	25.4	0.03	C-8 to C-9	39.0	0.05	
n-Decane	14.1	0.02	C-9 to C-10	3.8	0.00	
			C-10 to C-11	14.2	0.02	
			C-11 to C-12	0.0	0.0	
1785			M-21, 4-3		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	14.5	0.02	<C-6	0.0	0.0	
Toluene	19.8	0.02	C-6 to C-7	0.0	0.0	
n-Decane	4.8	0.01	C-7 to C-8	35.2	0.04	
n-Undecane	3.5	0.00	C-8 to C-9	0.0	0.0	
Naphthalene	4.8	0.01	C-9 to C-10	0.0	0.0	
			C-10 to C-11	4.8	0.01	
			C-11 to C-12	8.0	0.01	
1788			M-20, 1-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	15.5	0.02	<C-6	0.0	0.0	
Toluene	433	0.57	C-6 to C-7	1,510	2.0	
n-Octane	77.6	0.10	C-7 to C-8	485	0.64	
Ethylbenzene	159	0.21	C-8 to C-9	419	0.56	
p-Xylene	172	0.23	C-9 to C-10	113	0.15	
n-Nonane	33.9	0.04	C-10 to C-11	116	0.15	
n-Propylbenzene	35.1	0.05	C-11 to C-12	31.5	0.04	
n-Decane	65.5	0.09				
n-Butylbenzene	1.9	0.00				
n-Undecane	27.3	0.04				

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1789			M-20, 1-3		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	168	0.31	<C-6	0.0	0.0	
n-Heptane	9.6	0.02	C-6 to C-7	171	0.32	
Toluene	26.6	0.05	C-7 to C-8	37.9	0.07	
Ethylbenzene	10.3	0.02	C-8 to C-9	25.3	0.05	
p-Xylene	14.0	0.03	C-9 to C-10	7.2	0.01	
n-Decane	7.3	0.01	C-10 to C-11	17.0	0.03	
n-Butylbenzene	2.8	0.01	C-11 to C-12	11.9	0.02	
n-Undecane	11.9	0.02				

1791			M-20, 3-1		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Toluene	23.5	0.02	<C-6	0.0	0.0	
n-Decane	3.2	0.0	C-6 to C-7	0.0	0.0	
			C-7 to C-8	35.4	0.03	
			C-8 to C-9	0.0	0.0	
			C-9 to C-10	0.0	0.0	
			C-10 to C-11	8.5	0.01	
			C-11 to C-12	0.0	0.0	

1792			M-20, 3-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Toluene	32.0	0.04	<C-6	0.0	0.0	
Ethylbenzene	13.4	0.02	C-6 to C-7	0.0	0.0	
n-Decane	8.8	0.01	C-7 to C-8	34.8	0.04	
			C-8 to C-9	27.6	0.03	
			C-9 to C-10	0.0	0.0	
			C-10 to C-11	8.8	0.01	
			C-11 to C-12	0.0	0.0	

## F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1800		M-23, 4-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	705	0.63	<C-6	0.0	0.0
2,4-Dimethylpentane	1,629	1.5	C-6 to C-7	2,047	1.8
Benzene	97.6	0.09	C-7 to C-8	157.5	0.14
n-Heptane	37.2	0.03	C-8 to C-9	166.5	0.15
Toluene	99.5	0.09	C-9 to C-10	6.9	0.01
n-Octane	27.7	0.02	C-10 to C-11	27.0	0.02
Ethylbenzene	56.5	0.05	C-11 to C-12	0.0	0.0
p-Xylene	54.1	0.05			
n-Propylbenzene	6.5	0.01			
n-Decane	21.8	0.02			

1802		M-23, 4-4		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	632	0.93	<C-6	0.0	0.0
2,4-Dimethylpentane	57.3	0.08	C-6 to C-7	687	1.0
Toluene	5.5	0.01	C-7 to C-8	6.0	0.01
n-Decane	10.4	0.02	C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	10.5	0.02
			C-11 to C-12	0.0	0.0

1803		M-24, 1-1		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	5.5	0.0	<C-6	0.0	0.0
Toluene	4.6	0.0	C-6 to C-7	12.1	0.01
			C-7 to C-8	74.4	0.05
			C-8 to C-9	21.9	0.02
			C-9 to C-10	27.1	0.02
			C-10 to C-11	11.3	0.01
			C-11 to C-12	0.0	0.0



F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1816	M-18, 3-2		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	521	2.6	<C-6	1,029	5.1
n-Hexane	616	3.0	C-6 to C-7	14,227	70.0
Benzene	11,301	55.6	C-7 to C-8	860	4.2
n-Heptane	11.6	0.06	C-8 to C-9	1,098	5.4
Toluene	124	0.61	C-9 to C-10	673	3.3
n-Octane	227	1.1	C-10 to C-11	216	1.1
Ethylbenzene	65.8	0.32	C-11 to C-12	248	1.2
p-Xylene	102	0.50			
n-Nonane	194	0.96			
n-Propylbenzene	94.3	0.46			
n-Decane	92.1	0.45			
n-Butylbenzene	6.3	0.03			
nUndecane	35.6	0.18			
1817	M-18, 3-3		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	309	1.4	<C-6	905	4.2
n-Hexane	1,008	4.7	C-6 to C-7	44,697	207
2,4-Dimethylpentane	18.3	0.08	C-7 to C-8	3,009	13.9
n-Heptane	13.2	0.06	C-8 to C-9	5,228	24.2
Toluene	89.8	0.42	C-9 to C-10	3,386	15.7
n-Octane	679	3.1	C-10 to C-11	326	1.5
Ethylbenzene	458	2.1	C-11 to C-12	358	1.7
p-Xylene	1,851	8.6			
n-Nonane	1,346	6.2			
n-Propylbenzene	234	1.1			
n-Decane	191	0.88			
n-Butylbenzene	17.1	0.08			
Naphthalene	128	0.59			
1820	M-17, 2-2		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	135	0.68	<C-6	153	0.77
n-Hexane	101	0.51	C-6 to C-7	9,083	45.9
Benzene	7,523	38.0	C-7 to C-8	203	1.0
n-Octane	19.1	0.10	C-8 to C-9	299	1.5
Ethylbenzene	13.0	0.07	C-9 to C-10	240	1.2
p-Xylene	84.3	0.43	C-10 to C-11	329	1.7
n-Propylbenzene	60.3	0.30	C-11 to C-12	868	4.4
n-Decane	28.8	0.15			
n-Undecane	2.5	0.01			
Naphthalene	2.2	0.01			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1821		M-17, 2-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	4.7	0.0	<C-6	5.1	0.0
n-Hexane	171	0.46	C-6 to C-7	1,094	3.0
2,4-Dimethylpentane	168	0.45	C-7 to C-8	78.2	0.21
Benzene	87.7	0.24	C-8 to C-9	122	0.33
Toluene	72.0	0.19	C-9 to C-10	38.9	0.11
n-Octane	23.2	0.06	C-10 to C-11	87.2	0.24
Ethylbenzene	38.1	0.10	C-11 to C-12	21.4	0.06
p-Xylene	57.3	0.15			
n-Decane	39.6	0.11			
n-Butylbenzene	21.2	0.06			
n-Undecane	21.4	0.06			

1824		M-17, 4-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Benzene	37.5	0.07	<C-6	0.0	0.0
n-Heptane	4.4	0.01	C-6 to C-7	55.7	0.11
			C-7 to C-8	41.3	0.08
			C-8 to C-9	10.9	0.02
			C-9 to C-10	15.3	0.03
			C-10 to C-11	0.0	0.0
			C-11 to C-12	0.0	0.0

1828		M-16, 1-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	7.3	0.01	<C-6	2,398	3.9
Toluene	15.6	0.03	C-6 to C-7	10.0	0.02
			C-7 to C-8	23.8	0.04
			C-8 to C-9	0.0	0.0
			C-9 to C-10	0.0	0.0
			C-10 to C-11	0.0	0.0
			C-11 to C-12	0.0	0.0

## F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&amp;T Samples)

1829			M-16, 1-3		Date Sampled 1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Propylbenzene	6.8	0.01	<C-6	0.0	0.0
			C-6 to C-7	11.5	0.02
			C-7 to C-8	14.9	0.02
			C-8 to C-9	0.0	0.0
			C-9 to C-10	7.2	0.01
			C-10 to C-11	2.8	0.0
			C-11 to C-12	0.0	0.0
1832			M-16, 3-2		Date Sampled 1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
p-Xylene	19.3	0.07	<C-6	0.0	0.0
n-Propylbenzene	10.4	0.04	C-6 to C-7	87.5	0.33
n-Decane	19.2	0.07	C-7 to C-8	53.6	0.20
Naphthalene	15.1	0.06	C-8 to C-9	53.0	0.20
			C-9 to C-10	68.0	0.26
			C-10 to C-11	74.8	0.28
			C-11 to C-12	46.2	0.17
1833			M-16, 3-3		Date Sampled 1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	10.9	0.03	<C-6	0.0	0.0
n-Decane	17.3	0.05	C-6 to C-7	58.4	0.18
n-Butylbenzene	10.0	0.03	C-7 to C-8	41.8	0.13
n-Undecane	6.5	0.02	C-8 to C-9	24.4	0.07
Naphthalene	27.8	0.09	C-9 to C-10	88.5	0.27
			C-10 to C-11	71.7	0.22
			C-11 to C-12	45.6	0.14

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1836			M-15, 2-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Ethylbenzene	93.3	0.17	<C-6	0.0	0.0	
p-Xylene	30.8	0.06	C-6 to C-7	0.0	0.0	
n-Nonane	9.0	0.02	C-7 to C-8	70.8	0.13	
n-Propylbenzene	75.7	0.14	C-8 to C-9	218	0.40	
n-Decane	196	0.36	C-9 to C-10	1,163	2.2	
n-Butylbenzene	272	0.50	C-10 to C-11	2,122	3.9	
n-Undecane	114	0.21	C-11 to C-12	656	1.2	
Naphthalene	154	0.29				

1837			M-15, 2-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	32.3	0.07	<C-6	34.9	0.07	
n-Decane	6.3	0.01	C-6 to C-7	10.9	0.02	
n-Butylbenzene	2.4	0.01	C-7 to C-8	33.8	0.07	
			C-8 to C-9	24.9	0.05	
			C-9 to C-10	34.2	0.07	
			C-10 to C-11	32.2	0.07	
			C-11 to C-12	0.0	0.0	

1840			M-15, 4-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	41.4	0.06	<C-6	44.8	0.06	
			C-6 to C-7	10.4	0.01	
			C-7 to C-8	36.3	0.05	
			C-8 to C-9	26.3	0.04	
			C-9 to C-10	13.9	0.02	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1841	M-15, 4-3		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Heptane	11.4	0.01	<C-6	0.0	0.0
Naphthalene	12.9	0.01	C-6 to C-7	0.0	0.0
			C-7 to C-8	10.7	0.01
			C-8 to C-9	0.0	0.0
			C-9 to C-10	2.5	0.00
			C-10 to C-11	0.0	0.0
			C-11 to C-12	12.0	0.01
1844	M-10, 1-2		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	31.5	0.04	<C-6	0.0	0.0
n-Heptane	58.7	0.08	C-6 to C-7	133	0.18
Toluene	40.0	0.05	C-7 to C-8	649	0.86
n-Octane	77.3	0.10	C-8 to C-9	699	0.93
Ethylbenzene	8.2	0.01	C-9 to C-10	995	1.3
p-Xylene	118	0.16	C-10 to C-11	589	0.78
n-Nonane	64.3	0.09	C-11 to C-12	451	0.60
n-Propylbenzene	135	0.18			
n-Decane	136	0.18			
n-Butylbenzene	72.9	0.10			
n-Undecane	21.5	0.03			
Naphthalene	145	0.19			
1845	M-10, 1-3		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	6.1	0.01	<C-6	6.6	0.01
n-Heptane	11.5	0.01	C-6 to C-7	0.0	0.0
Toluene	54.6	0.07	C-7 to C-8	82.7	0.10
Ethylbenzene	67.1	0.09	C-8 to C-9	122	0.16
p-Xylene	20.3	0.03	C-9 to C-10	113	0.14
n-Propylbenzene	7.3	0.01	C-10 to C-11	109	0.14
n-Decane	14.2	0.02	C-11 to C-12	39.8	0.05
n-Butylbenzene	6.1	0.01			
n-Undecane	12.1	0.02			
Naphthalene	29.7	0.04			

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1847	M-10, 3-1		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	78.1	0.11	<C-6	0.0	0.0
n-Heptane	29.1	0.04	C-6 to C-7	542	0.76
Toluene	52.2	0.07	C-7 to C-8	370	0.52
n-Octane	48.4	0.07	C-8 to C-9	422	0.59
p-Xylene	91.5	0.13	C-9 to C-10	811	1.1
n-Nonane	61.2	0.09	C-10 to C-11	720	1.0
n-Propylbenzene	116	0.16	C-11 to C-12	474	0.66
n-Decane	129	0.18			
n-Butylbenzene	79.8	0.11			
n-Undecane	38.5	0.05			
Naphthalene	108	0.15			
1848	M-10, 3-2		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	30.2	0.05	<C-6	416	0.63
n-Hexane	13.2	0.02	C-6 to C-7	600	0.91
2,4-Dimethylpentane	66.2	0.10	C-7 to C-8	337	0.51
Benzene	40.8	0.06	C-8 to C-9	474	0.72
n-Heptane	69.2	0.10	C-9 to C-10	537	0.81
Toluene	84.4	0.13	C-10 to C-11	469	0.71
n-Octane	96.2	0.15	C-11 to C-12	161	0.24
Ethylbenzene	42.4	0.06			
n-Nonane	73.2	0.11			
n-Propylbenzene	55.3	0.08			
n-Decane	98.1	0.15			
n-Butylbenzene	102	0.15			
n-Undecane	74.2	0.11			
Naphthalene	25.1	0.04			
1849	M-10, 3-3		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	49.4	0.15	<C-6	46.0	0.14
Benzene	88.3	0.27	C-6 to C-7	377	1.1
n-Heptane	122	0.37	C-7 to C-8	731	2.2
Toluene	372	1.1	C-8 to C-9	1,625	4.9
n-Octane	260	0.79	C-9 to C-10	1,941	5.9
Ethylbenzene	182	0.55	C-10 to C-11	2,219	6.7
p-Xylene	68.8	0.21	C-11 to C-12	1,660	5.0
n-Nonane	338	1.0			
n-Propylbenzene	199	0.60			
n-Decane	489	1.5			
n-Butylbenzene	260	0.79			
n-Undecane	818	2.5			

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1851			M-11, 2-1		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Benzene	28.3	0.02	<C-6	0.0	0.0	
Toluene	62.6	0.05	C-6 to C-7	108	0.08	
n-Octane	31.0	0.02	C-7 to C-8	80.5	0.06	
Ethylbenzene	38.3	0.03	C-8 to C-9	193	0.14	
p-Xylene	91.2	0.07	C-9 to C-10	194	0.14	
n-Nonane	39.5	0.03	C-10 to C-11	128	0.10	
n-Propylbenzene	12.9	0.01	C-11 to C-12	113	0.08	
n-Decane	39.9	0.03				
n-Butylbenzene	39.5	0.03				
n-Undecane	61.9	0.05				

1852			M-11, 2-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
Benzene	5.0	0.00	<C-6	0.0	0.0	
n-Heptane	4.7	0.00	C-6 to C-7	46.4	0.04	
Toluene	27.1	0.02	C-7 to C-8	34	0.03	
n-Octane	13.7	0.01	C-8 to C-9	40.1	0.03	
Ethylbenzene	26.2	0.02	C-9 to C-10	31.2	0.03	
n-Decane	26.0	0.02	C-10 to C-11	26.1	0.02	
n-Undecane	8.0	0.01	C-11 to C-12	8.0	0.01	

1855			M-11, 4-1		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	70.3	0.06	<C-6	0.0	0.0	
Benzene	159	0.15	C-6 to C-7	259	0.24	
n-Heptane	25.9	0.02	C-7 to C-8	164	0.15	
Toluene	120	0.11	C-8 to C-9	1,512	1.4	
n-Octane	103	0.09	C-9 to C-10	18,543	17.0	
Ethylbenzene	236	0.22	C-10 to C-11	54,046	49.5	
p-Xylene	98.4	0.09	C-11 to C-12	64,294	58.9	
n-Nonane	946	0.87				
n-Propylbenzene	2,209	2.0				
n-Decane	3,156	2.9				
n-Butylbenzene	4,765	4.4				
n-Undecane	7,750	7.1				
Naphthalene	10,440	9.6				

F.E. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetOH P&T Samples)					
1856	M-11, 4-2		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	69.1	0.18	<C-6	36.0	0.09
n-Hexane	4,692	12.0	C-6 to C-7	4,217	10.7
Benzene	9.6	0.0	C-7 to C-8	34.6	0.09
n-Heptane	29.6	0.08	C-8 to C-9	58.2	0.15
n-Octane	31.3	0.08	C-9 to C-10	449	1.1
n-Nonane	15.5	0.04	C-10 to C-11	4,027	10.3
n-Propylbenzene	65.9	0.17	C-11 to C-12	7,600	19.4
n-Decane	487	1.2			
n-Butylbenzene	507	1.3			
n-Undecane	829	2.1			
Naphthalene	2,131	5.4			
1857	M-11, 4-3		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	47.9	0.05	<C-6	0.0	0.0
Benzene	66.3	0.07	C-6 to C-7	339	0.38
n-Heptane	29.3	0.03	C-7 to C-8	197	0.22
Toluene	156	0.18	C-8 to C-9	226	0.25
n-Octane	41.0	0.05	C-9 to C-10	356	0.40
Ethylbenzene	74.7	0.08	C-10 to C-11	1,301	1.5
p-Xylene	104	0.12	C-11 to C-12	2,442	2.7
n-Nonane	47.0	0.05			
n-Propylbenzene	26.8	0.03			
n-Decane	87.3	0.10			
n-Butylbenzene	162	0.18			
n-Undecane	347	0.39			
Naphthalene	439	0.49			
1859	M-12, 1-1		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	19.2	0.02	<C-6	0.0	0.0
Toluene	29.8	0.04	C-6 to C-7	31.8	0.04
p-Xylene	20.4	0.02	C-7 to C-8	32.4	0.04
n-Decane	17.0	0.02	C-8 to C-9	21.6	0.03
			C-9 to C-10	3.8	0.0
			C-10 to C-11	71.0	0.09
			C-11 to C-12	0.0	0.0



F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1860	M-12, 1-2		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
Benzene	59.1	0.06	<C-6	0.00	0.00
n-Heptane	20.1	0.02	C-6 to C-7	224	0.22
Toluene	98.0	0.10	C-7 to C-8	132	0.13
n-Octane	27.0	0.03	C-8 to C-9	147	0.14
Ethylbenzene	54.2	0.05	C-9 to C-10	37.2	0.04
p-Xylene	61.8	0.06	C-10 to C-11	31.5	0.03
Nonane	25.0	0.02	C-11 to C-12	6.8	0.01
n-Propylbenzene	4.5	0.00			
n-Decane	17.6	0.02			
Undecane	6.8	0.01			

1861	M-12, 1-3		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	47.5	0.04	<C-6	0.00	0.00
Benzene	179	0.15	C-6 to C-7	259	0.22
n-Heptane	22.5	0.02	C-7 to C-8	139	0.12
Toluene	109	0.09	C-8 to C-9	188	0.16
n-Octane	32.5	0.03	C-9 to C-10	32.2	0.03
Ethylbenzene	70.7	0.06	C-10 to C-11	17.8	0.02
p-Xylene	80.1	0.07	C-11 to C-12	0.00	0.00
Nonane	29.6	0.03			
n-Propylbenzene	4.1	0.00			
n-Decane	17.7	0.02			

1863	M-12, 3-1		Date Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	56.4	0.08	<C-6	0.00	0.00
Benzene	75.7	0.11	C-6 to C-7	2,404	3.4
n-Heptane	35.1	0.05	C-7 to C-8	123	0.17
Toluene	83.0	0.12	C-8 to C-9	135	0.19
n-Octane	39.6	0.06	C-9 to C-10	871	1.2
Ethylbenzene	43.8	0.06	C-10 to C-11	3,199	4.5
p-Xylene	49.3	0.07	C-11 to C-12	93.1	0.13
Nonane	34.4	0.05			
n-Propylbenzene	124	0.17			
n-Decane	27.4	0.04			
Undecane	61.3	0.09			

F. E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1864			M-12, 3-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	116	0.16	<C-6	0.0	0.0	
2,4-Dimethylpentane	15.8	0.02	C-6 to C-7	4,057	5.7	
Benzene	26.9	0.04	C-7 to C-8	282	0.40	
n-Heptane	107	0.15	C-8 to C-9	367	0.52	
Toluene	122	0.17	C-9 to C-10	234	0.33	
n-Octane	138	0.19	C-10 to C-11	191	0.27	
Ethylbenzene	64.2	0.09	C-11 to C-12	313	0.44	
Nonane	154	0.22				
n-Propylbenzene	46.7	0.07				
n-Decane	148	0.21				
n-Butylbenzene	10.0	0.01				
Undecane	166	0.23				
1865			M-12, 3-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	58.5	0.05	<C-6	0.0	0.0	
Benzene	75.2	0.06	C-6 to C-7	362	0.30	
n-Heptane	28.4	0.02	C-7 to C-8	169	0.14	
Toluene	124	0.10	C-8 to C-9	213	0.18	
n-Octane	37.4	0.03	C-9 to C-10	55.7	0.05	
Ethylbenzene	78.6	0.07	C-10 to C-11	77.0	0.06	
Nonane	38.0	0.03	C-11 to C-12	43.5	0.04	
n-Propylbenzene	8.6	0.01				
n-Decane	31.0	0.03				
n-Butylbenzene	27.4	0.02				
Undecane	21.3	0.02				
1867			M-13, 2-1		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Heptane	9.9	0.01	<C-6	0.00	0.00	
Toluene	33.2	0.03	C-6 to C-7	40.2	0.04	
Ethylbenzene	15.1	0.01	C-7 to C-8	45.4	0.04	
n-Propylbenzene	20.2	0.02	C-8 to C-9	41.6	0.04	
n-Decane	20.9	0.02	C-9 to C-10	49.9	0.05	
n-Butylbenzene	62.2	0.06	C-10 to C-11	148	0.14	
Undecane	41.9	0.04	C-11 to C-12	116	0.11	

F.E. Warren AFB - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1869			M-13, 2-3		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	36.1	0.06	<C-6	81.4	0.13	
n-Hexane	68.4	0.11	C-6 to C-7	872	1.4	
2,4-Dimethylpen	61.5	0.10	C-7 to C-8	1,376	2.1	
Benzene	168	0.26	C-8 to C-9	4,374	6.8	
n-Heptane	270	0.42	C-9 to C-10	10,218	15.8	
Toluene	627	1.0	C-10 to C-11	22,289	34.5	
n-Octane	649	1.0	C-11 to C-12	28,009	43.4	
Ethylbenzene	725	1.1				
p-Xylene	100	0.16				
Nonane	869	1.3				
n-Propylbenzene	915	1.4				
n-Decane	2,145	3.3				
n-Butylbenzene	4,181	6.5				
Undecane	6,260	9.7				
Naphthelene	1,281	2.0				

1871			M-13, 4-1		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	1,089	1.6	<C-6	0.00	0.00	
n-Heptane	13.6	0.02	C-6 to C-7	19,801	29.8	
Toluene	34.9	0.05	C-7 to C-8	85.9	0.13	
n-Octane	28.0	0.04	C-8 to C-9	359	0.54	
Ethylbenzene	34.5	0.05	C-9 to C-10	2,566	3.9	
p-Xylene	29.4	0.04	C-10 to C-11	3,346	5.0	
Nonane	17.8	0.03	C-11 to C-12	1,928	2.9	
n-Propylbenzene	360	0.54				
n-Decane	528	0.80				
n-Butylbenzene	338	0.51				
Undecane	503	0.76				
Naphthelene	81.3	0.12				

1872			M-13, 4-2		Date Sampled 10/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	1,750	2.5	<C-6	33,503	48.0	
2,4-Dimethylpentane	46.7	0.07	C-6 to C-7	15,939	22.8	
Benzene	104	0.15	C-7 to C-8	308	0.44	
n-Heptane	83.8	0.12	C-8 to C-9	442	0.63	
Toluene	143	0.20	C-9 to C-10	1,603	2.3	
n-Octane	92.6	0.13	C-10 to C-11	1,804	2.6	
Ethylbenzene	102	0.15	C-11 to C-12	851	1.2	
p-Xylene	91.8	0.13				
Nonane	61.5	0.09				
n-Propylbenzene	270	0.39				
n-Decane	261	0.37				
n-Butylbenzene	169	0.24				
Undecane	236	0.34				
Naphthelene	65.1	0.09				

F.E. Warren - Specific Compound and Boiling Point Results

(Soil MetOH P&T Samples)

1873			M-13, 4-3		Date Sampled 10/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	1,348	1.3	<C-6	0.00	0.00	
Benzene	134	0.13	C-6 to C-7	11,165	10.7	
n-Heptane	60.4	0.06	C-7 to C-8	136	0.13	
Toluene	54.8	0.05	C-8 to C-9	241	0.23	
n-Octane	59.4	0.06	C-9 to C-10	1,001	1.0	
Ethylbenzene	77.0	0.07	C-10 to C-11	1,361	1.3	
Nonane	21.8	0.02	C-11 to C-12	544	0.52	
n-Propylbenzene	320	0.31				
n-Decane	175	0.17				
n-Buthlbenzene	144	0.14				
Undecane	200	0.19				

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**APPENDIX 2**  
**INITIAL SEMIVOLATILE HYDROCARBON SOIL RESULTS**

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FEW AFB Initial Soil Total Petroleum Hydrocarbon Results  
Methylene Chloride Soxhlet Extraction Samples

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-12 to C-15 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/19/93	1772	M0, 1-2	7.0 to 7.5	Soxhlet	18.6	19.6
1/19/93	1773	M0, 1-3	6.5 to 7.0	Soxhlet	0.0	0.0
1/19/93	1776	M0, 3-2	3.0 to 3.5	Soxhlet	21.2	22.4
1/19/93	1777	M0, 3-3	2.5 to 3.0	Soxhlet	49.7	52.4
1/19/93	1731	M1, 2-1	5.5 to 6.0	Soxhlet	49.1	51.8
1/19/93	1732	M1, 2-2	5.0 to 5.5	Soxhlet	0.5	0.56
1/19/93	1733	M1, 2-3	4.5 to 5.0	Soxhlet	0.8	0.83
1/19/93	1734	M1, 2-4	4.0 to 4.5	Soxhlet	0.0	0.0
1/19/93	1735	M1, 4-1	1.5 to 2.0	Soxhlet	2.5	2.6
1/18/93	1755	M2, 1-1	7.5 to 8.0	Soxhlet	0.0	0.0
1/18/93	1756	M2, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/18/93	1757	M2, 1-3	6.5 to 6.0	Soxhlet	0.0	0.0
1/18/93	1760	M2, 3-2	3.0 to 3.5	Soxhlet	0.3	0.33
1/18/93	1761	M2, 3-3	2.5 to 3.0	Soxhlet	0.0	0.0
1/18/93	1748	M3, 2-2	5.0 to 5.5	Soxhlet	1.6	1.6
1/18/93	1749	M3, 2-3	4.5 to 5.0	Soxhlet	0.0	0.0
1/18/93	1751	M3, 4-1	1.5 to 2.0	Soxhlet	26.5	28.0
1/19/93	1739	M4, 1-1	7.5 to 8.0	Soxhlet	0.0	0.0
1/19/93	1740	M4, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/18/93	1743	M4, 3-1	3.5 to 4.0	Soxhlet	0.0	0.0
1/18/93	1744	M4, 3-2	3.0 to 3.5	Soxhlet	0.0	0.0
1/18/93	1745	M4, 3-3	2.5 to 3.0	Soxhlet	0.0	0.0
1/18/93	1746	M4, 3-4	2.0 to 2.5	Soxhlet	0.0	0.0
1/19/93	1723	M5, 2-1	5.5 to 6.0	Soxhlet	0.0	0.0
1/19/93	1724	M5, 2-2	5.0 to 5.5	Soxhlet	4.6	4.9
1/19/93	1725	M5, 2-3	4.5 to 5.0	Soxhlet	0.0	0.0
1/19/93	1726	M5, 2-4	4.0 to 4.5	Soxhlet	0.0	0.0
1/19/93	1727	M5, 4-1	1.5 to 2.0	Soxhlet	1.1	1.2
1/19/93	1715	M6, 1-1	7.5 to 8.0	Soxhlet	22.8	24.1
1/19/93	1719	M6, 3-1	3.5 to 4.0	Soxhlet	0.0	0.0
1/19/93	1707	M7, 2-1	5.5 to 6.0	Soxhlet	0.0	0.0
1/19/93	1708	M7, 2-2	5.0 to 5.5	Soxhlet	0.0	0.0
1/19/93	1711	M7, 4-1	1.5 to 2.0	Soxhlet	0.0	0.0
1/19/93	1712	M7, 4-2	1.0 to 1.5	Soxhlet	0.0	0.0
1/19/93	1713	M7, 4-3	0.5 to 1.0	Soxhlet	0.0	0.0
1/19/93	1700	M8, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/19/93	1701	M8, 1-3	6.5 to 7.0	Soxhlet	0.0	0.0
1/19/93	1704	M8, 3-2	3.0 to 3.5	Soxhlet	0.0	0.0
1/19/93	1705	M8, 3-3	2.5 to 3.0	Soxhlet	8.8	9.3
1/19/93	1691	M9, 2-1	5.5 to 6.0	Soxhlet	0.1	0.10
1/19/93	1692	M9, 2-2	5.0 to 5.5	Soxhlet	0.0	0.0
1/19/93	1693	M9, 2-3	4.5 to 5.0	Soxhlet	3.6	3.8
1/19/93	1695	M9, 4-1	1.5 to 2.0	Soxhlet	8.4	8.8
1/19/93	1696	M9, 4-2	1.0 to 1.5	Soxhlet	0.0	0.0
1/17/93	1844	M10, 1-2	7.0 to 7.5	Soxhlet	33.6	35.4
1/17/93	1845	M10, 1-3	6.5 to 7.0	Soxhlet	6.4	6.7
1/17/93	1847	M10, 3-1	3.5 to 4.0	Soxhlet	77.2	81.4



**FEW AFB Initial Soil Total Petroleum Hydrocarbon Results  
Methylene Chloride Soxhlet Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-12 to C-15 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/17/93	1848	M10, 3-2	3.0 to 3.5	Soxhlet	51.1	53.9
1/17/93	1849	M10, 3-3	2.5 to 3.0	Soxhlet	14.8	15.7
1/17/93	1851	M11, 2-1	5.5 to 6.0	Soxhlet	2.9	3.0
1/17/93	1852	M11, 2-2	5.0 to 5.5	Soxhlet	3.7	3.9
1/17/93	1855	M11, 4-1	1.5 to 2.0	Soxhlet	220.7	233
1/17/93	1856	M11, 4-2	1.0 to 1.5	Soxhlet	16887.8	17,801
1/17/93	1857	M11, 4-3	0.5 to 1.0	Soxhlet	0.0	0.0
1/17/93	1859	M12, 1-1	7.5 to 8.0	Soxhlet	0.0	0.0
1/17/93	1860	M12, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/17/93	1861	M12, 1-3	6.5 to 7.0	Soxhlet	0.0	0.0
1/17/93	1863	M12, 3-1	3.5 to 4.0	Soxhlet	0.0	0.0
1/17/93	1864	M12, 3-2	3.0 to 3.5	Soxhlet	1.4	1.5
1/17/93	1865	M12, 3-3	2.5 to 3.0	Soxhlet	0.0	0.0
1/18/93	1867	M13, 2-1	5.5 to 6.0	Soxhlet	0.0	0.0
1/18/93	1869	M13, 2-3	4.5 to 5.0	Soxhlet	553.9	584
1/18/93	1871	M13, 4-1	1.5 to 2.0	Soxhlet	1160.3	1,223
1/18/93	1872	M13, 4-2	1.0 to 1.5	Soxhlet	1207.6	1,273
1/18/93	1873	M13, 4-3	0.5 to 1.0	Soxhlet	0.0	0.0
1/19/93	1684	M14, 1-2	7.0 to 7.5	Soxhlet	13.0	13.7
1/19/93	1685	M14, 1-3	6.5 to 7.0	Soxhlet	0.0	0.0
1/19/93	1688	M14, 3-2	3.0 to 3.5	Soxhlet	1.7	1.8
1/19/93	1689	M14, 3-3	2.5 to 3.0	Soxhlet	0.0	0.0
1/17/93	1836	M15, 2-2	5.0 to 5.5	Soxhlet	0.0	0.0
1/17/93	1837	M15, 2-3	4.5 to 5.0	Soxhlet	0.0	0.0
1/17/93	1840	M15, 4-2	1.0 to 1.5	Soxhlet	0.0	0.0
1/17/93	1841	M15, 4-3	0.5 to 1.0	Soxhlet	0.0	0.0
1/17/93	1828	M16, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/17/93	1829	M16, 1-3	6.5 to 7.0	Soxhlet	0.0	0.0
1/17/93	1832	M16, 3-2	3.0 to 3.5	Soxhlet	0.0	0.0
1/17/93	1833	M16, 3-3	2.5 to 3.0	Soxhlet	0.0	0.0
1/17/93	1834	M16, 3-4	2.0 to 2.5	Soxhlet	0.0	0.0
1/17/93	1820	M17, 2-2	5.0 to 5.5	Soxhlet	0.0	0.0
1/17/93	1821	M17, 2-3	4.5 to 5.0	Soxhlet	0.0	0.0
1/17/93	1825	M17, 4-3	0.5 to 1.0	Soxhlet	0.0	0.0
1/17/93	1826	M17, 4-4	0.0 to 0.5	Soxhlet	0.0	0.0
1/17/93	1812	M18, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/17/93	1813	M18, 1-3	6.5 to 7.0	Soxhlet	0.0	0.0
1/17/93	1815	M18, 3-1	3.5 to 4.0	Soxhlet	0.0	0.0
1/17/93	1816	M18, 3-2	3.0 to 3.5	Soxhlet	2.6	2.8
1/17/93	1817	M18, 3-3	2.5 to 3.0	Soxhlet	36.5	38.5
1/19/93	1764	M19, 2-2	5.0 to 5.5	Soxhlet	14.5	15.3
1/19/93	1765	M19, 2-3	4.5 to 5.0	Soxhlet	8.7	9.1
1/19/93	1767	M19, 4-1	1.5 to 2.0	Soxhlet	0.2	0.20
1/19/93	1768	M19, 4-2	1.0 to 1.5	Soxhlet	3.4	3.5
1/19/93	1769	M19, 4-3	0.5 to 1.0	Soxhlet	5.0	5.2
1/16/93	1788	M20, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/16/93	1789	M20, 1-3	6.5 to 7.0	Soxhlet	0.0	0.0

**FEW AFB Initial Soil Total Petroleum Hydrocarbon Results  
Methylene Chloride Soxhlet Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-12 to C-15 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/16/93	1791	M20, 3-1	3.5 to 4.0	Soxhlet	0.0	0.0
1/16/93	1792	M20, 3-2	3.0 to 3.5	Soxhlet	0.0	0.0
1/16/93	1793	M20, 3-3	2.5 to 3.0	Soxhlet	0.0	0.0
1/16/93	1780	M21, 2-2	5.0 to 5.5	Soxhlet	0.0	0.0
1/16/93	1781	M21, 2-3	4.5 to 5.0	Soxhlet	3.9	4.1
1/16/93	1784	M21, 4-2	1.0 to 1.5	Soxhlet	2.1	2.2
1/16/93	1785	M21, 4-3	0.5 to 1.0	Soxhlet	0.0	0.0
1/15/93	1675	M22, 1-1	7.5 to 8.0	Soxhlet	0.0	0.0
1/15/93	1676	M22, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/15/93	1679	M22, 3-1	3.5 to 4.0	Soxhlet	0.0	0.0
1/15/93	1680	M22, 3-2	3.0 to 3.5	Soxhlet	0.0	0.0
1/16/93	1796	M23, 2-2	5.0 to 5.5	Soxhlet	0.0	0.0
1/16/93	1798	M23, 2-4	4.0 to 4.5	Soxhlet	0.0	0.0
1/16/93	1800	M23, 4-2	1.0 to 1.5	Soxhlet	0.0	0.0
1/16/93	1802	M23, 4-4	0.0 to 0.5	Soxhlet	0.0	0.0
1/16/93	1803	M24, 1-1	7.5 to 8.0	Soxhlet	0.0	0.0
1/16/93	1804	M24, 1-2	7.0 to 7.5	Soxhlet	0.0	0.0
1/17/93	1808	M24, 3-2	3.0 to 3.5	Soxhlet	0.0	0.0
1/17/93	1810	M24, 3-4	2.0 to 2.5	Soxhlet	0.0	0.0
1/15/93	1668	M25, 2-2	5.0 to 5.5	Soxhlet	4.8	5.0
1/15/93	1670	M25, 2-4	4.0 to 4.5	Soxhlet	0.0	0.0
1/15/93	1672	M25, 4-2	1.0 to 1.5	Soxhlet	0.0	0.0
1/15/93	1674	M25, 4-4	0.0 to 0.5	Soxhlet	0.0	0.0
1/15/93	1660	M26, 1-2	7.0 to 7.5	Soxhlet	3.4	3.6
1/15/93	1662	M26, 1-4	6.0 to 6.5	Soxhlet	4.0	4.2
1/15/93	1664	M26, 3-2	3.0 to 3.5	Soxhlet	3.7	3.9
1/15/93	1666	M26, 3-4	2.0 to 2.5	Soxhlet	2.7	2.8
1/15/93	1652	M27, 2-2	5.0 to 5.5	Soxhlet	7.3	7.7
1/15/93	1654	M27, 2-4	4.0 to 4.5	Soxhlet	6.6	6.9
1/15/93	1655	M27, 4-1	1.5 to 2.0	Soxhlet	5.6	5.9
1/15/93	1656	M27, 4-2	1.0 to 1.5	Soxhlet	3.8	4.0
1/15/93	1658	M27, 4-4	0.0 to 0.5	Soxhlet	4.0	4.2
1/15/93	1647	M28, 1-1	7.5 to 8.0	Soxhlet	121.8	128
1/15/93	1648	M28, 1-2	7.0 to 7.5	Soxhlet	15.3	16.2
1/15/93	1643	M28, 3-1	3.5 to 4.0	Soxhlet	4.4	4.7
1/15/93	1644	M28, 3-2	3.0 to 3.5	Soxhlet	10.3	10.9
1/15/93	1639	M29, 4-1	1.5 to 2.0	Soxhlet	784.7	827
1/15/93	1640	M29, 4-2	1.0 to 1.5	Soxhlet	325.3	343
1/15/93	1641	M29, 4-3	0.5 to 1.0	Soxhlet	1778.8	1,875
1/15/93	1642	M29, 4-4	0.0 to 0.5	Soxhlet	42.1	44.4
1/14/93	1599	M30, 1-1	7.5 to 8.0	Soxhlet	97.4	103
1/14/93	1600	M30, 1-2	7.0 to 7.5	Soxhlet	33.3	35.1
1/14/93	1604	M30, 3-2	3.0 to 3.5	Soxhlet	33.2	35.0
1/14/93	1606	M30, 3-4	2.0 to 2.5	Soxhlet	21.1	22.3
1/14/93	1608	M31, 2-2	5.0 to 5.5	Soxhlet	97.7	103
1/14/93	1610	M31, 2-4	4.0 to 4.5	Soxhlet	39.8	42.0
1/14/93	1612	M31, 4-2	1.0 to 1.5	Soxhlet	3995.8	4,212

FEW AFB Initial Soil Total Petroleum Hydrocarbon Results  
Methylene Chloride Soxhlet Extraction Samples

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-12 to C-15 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
1/14/93	1614	M31, 4-4	0.0 to 0.5	Soxhlet	104.6	110.3
1/14/93	1616	M32, 1-2	7.0 to 7.5	Soxhlet	36.7	38.7
1/14/93	1617	M32, 1-3	6.5 to 7.0	Soxhlet	33.0	34.8
1/14/93	1619	M32, 3-1	3.5 to 4.0	Soxhlet	47.7	50.3
1/14/93	1620	M32, 3-2	3.0 to 3.5	Soxhlet	18.1	19.0
1/14/93	1624	M33, 2-2	5.0 to 5.5	Soxhlet	83.7	88.3
1/14/93	1625	M33, 2-3	4.5 to 5.0	Soxhlet	15.4	16.2
1/14/93	1627	M33, 4-1	1.5 to 2.0	Soxhlet	251.9	266
1/14/93	1628	M33, 4-2	1.0 to 1.5	Soxhlet	413.9	436
1/14/93	1630	M33, 4-4	0.0 to 0.5	Soxhlet	58.6	61.8
1/15/93	1632	M34, 1-2	7.0 to 7.5	Soxhlet	17.4	18.3
1/15/93	1633	M34, 1-3	6.5 to 7.0	Soxhlet	13.6	14.4
1/15/93	1634	M34, 1-4	6.0 to 6.5	Soxhlet	9.6	10.1
1/15/93	1636	M34, 3-2	3.0 to 3.5	Soxhlet	11.9	12.5
1/15/93	1637	M34, 3-3	2.5 to 3.0	Soxhlet	12.0	12.7
1/15/93	1638	M34, 3-4	2.0 to 2.5	Soxhlet	8.9	9.4

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1599	FEW M-30, 1-1			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Butylbenzene	115	42.2	C-12 to C-13	0.0	0.0
n-Pentadecane	76.3	28.0	C-13 to C-14	0.0	0.0
			C-14 to C-15	76.9	28.3
			>C-15	174	63.9
SOX 1600	FEW M-30, 1-2			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	55.6	23.2	C-12 to C-13	12.4	5.2
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	68.2	28.5
SOX 1604	FEW M-30, 1-3			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	65.0	25.7	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	84.5	33.4
SOX 1606	FEW M-30, 1-4			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	41.0	14.9	C-12 to C-13	10.1	3.7
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	48.5	17.6
SOX 1608	FEW M-31, 2-2			Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	92.0	46.3	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	96.7	48.7
			>C-15	99.2	49.9

Fl Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1610		FEW M-31, 2-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	93.3	55.1	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	107	63.2
SOX 1612		FEW M-31, 4-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	2,303	1,433	C-12 to C-13	6.1	3.8
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	6,451	4,014
SOX 1614		FEW M-31,4-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	28.0	17.8	C-12 to C-13	6.8	4.3
			C-13 to C-14	5.2	3.3
			C-14 to C-15	102	65.1
			>C-15	52.0	33.0
SOX 1616		FEW M-32, 1-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Undecane	0.75	0.48	C-12 to C-13	0.0	0.0
n-Pentadecane	31.4	20.1	C-13 to C-14	0.0	0.0
			C-14 to C-15	13.9	8.9
			>C-15	44.0	28.1
SOX 1617		FEW M-32, 1-3		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	55.6	28.0	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	65.9	33.2

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1619			FEW M-32, 3-1		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	69.9	40.6	C-12 to C-13	5.0	2.9
			C-13 to C-14	0.0	0.0
			C-14 to C-15	2.3	1.36
			>C-15	75.5	43.8
SOX 1620			FEW M-32, 3-2		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	21.4	12.0	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	32.3	18.2
SOX 1624			FEW M-33, 2-2		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	123	77.3	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0	0.0
			>C-15	134	84.2
SOX 1625			FEW M-33, 2-3		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	23.0	13.4	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	26.7	15.5
SOX 1627			FEW M-33, 4-1		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	44.3	31.7	C-12 to C-13	133	94.8
n-Tridecane	9.9	7.1	C-13 to C-14	63.4	45.3
1-Methylnaphthalene	19.3	13.8	C-14 to C-15	92.3	65.9
n-Pentadecane	56.6	40.4	>C-15	69.5	49.6

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1628			FEW M-33, 4-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	56.0	38.0	C-12 to C-13	175	119	
n-Tridecane	15.2	10.3	C-13 to C-14	91.6	62.2	
1-Methylnaphthalene	26.3	17.9	C-14 to C-15	152	103	
n-Tetradecane	39.3	26.6	>C-15	199	135	
SOX 1630			FEW M-33, 4-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	90.0	58.9	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	90.0	58.9	
SOX 1632			FEW M-34, 1-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	28.9	15.0	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	33.5	17.5	
SOX 1633			FEW M-34, 1-3		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	27.0	13.7	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	27.0	13.7	
SOX 1634			FEW M-34, 1-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	17.5	9.7	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	17.5	9.7	

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1636		FEW M-34, 3-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	17.6	10.7	C-12 to C-13	0.00	0.00
			C-13 to C-14	0.00	0.00
			C-14 to C-15	0.0	0.0
			>C-15	19.6	11.9
SOX 1637		FEW M-34, 3-3		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	19.5	12.1	C-12 to C-13	0.00	0.00
			C-13 to C-14	0.00	0.00
			C-14 to C-15	0.0	0.0
			>C-15	19.5	12.1
SOX 1638		FEW M-34, 3-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	15.5	9.0	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	15.5	9.0
SOX 1639		FEW M-29, 4-1		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	225	116	C-12 to C-13	722	374
n-Tridecane	164	85.1	C-13 to C-14	374	194
1-Methlnaphthalene	109	56.7	C-14 to C-15	329	171
n-Tetradecane	94.4	48.9	>C-15	113	58.7
n-Pentadecane	91.0	47.2			
SOX 1640		FEW M-29, 4-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	62.3	32.0	C-12 to C-13	178	91.3
n-Tridecane	14.2	7.3	C-13 to C-14	47.4	24.4
1-Methlnaphthalene	14.9	7.6	C-14 to C-15	238	123
n-Tetradecane	56.5	29.0	>C-15	178	91.7
n-Pentadecane	152	78.3			



FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1641		FEW M-29, 4-3		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	359	187	C-12 to C-13	1,212	632
n-Tridecane	233	122	C-13 to C-14	1,205	628
1-Methylnaphthalene	189	98.6	C-14 to C-15	680	354
n-Tetradecane	303	158	>C-15	356	186
n-Pentadecane	308	160			
SOX 1642		FEW M-29, 4-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	3.4	2.0	C-12 to C-13	22.1	12.9
n-Tridecane	8.6	5.0	C-13 to C-14	8.1	4.7
n-Tetradecane	3.0	1.7	C-14 to C-15	7.4	4.3
n-Pentadecane	35.4	20.7	>C-15	35.4	20.7
SOX 1643		FEW M-28, 3-1		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	8.6	4.5	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	8.6	4.5
SOX 1644		FEW M-28, 3-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	4.1	2.5	C-12 to C-13	4.2	2.5
n-Pentadecane	13.0	7.9	C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	13.0	7.9
SOX 1647		FEW M-28, 1-1		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	10.4	7.7	C-12 to C-13	38.7	28.8
n-Tridecane	23.8	17.8	C-13 to C-14	30.1	22.4
n-Tetradecane	17.6	13.1	C-14 to C-15	53.4	39.8
n-Pentadecane	38.2	28.4	>C-15	43.1	32.2

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1648		FEW M-28, 1-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	18.1	15.4	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	18.1	15.4
SOX 1652		FEW M-27, 2-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	12.5	7.3	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	12.5	7.3
SOX 1654		FEW M-27, 2-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Tridecane	1.3	0.69	C-12 to C-13	0.0	0.0
n-Pentadecane	11.1	5.9	C-13 to C-14	1.2	0.65
			C-14 to C-15	0.0	0.0
			>C-15	11.1	5.9
SOX 1655		FEW M-27, 4-1		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	10.9	5.6	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	10.9	5.6
SOX 1656		FEW M-27, 4-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	7.4	3.8	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	7.4	3.8

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1658		FEW M-27, 4-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	7.0	4.0	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	7.0	4.0
SOX 1660		FEW M-26, 1-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	5.4	3.4	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	5.4	3.4
SOX 1662		FEW M-26, 1-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	7.5	4.0	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	7.5	4.7
SOX 1664		FEW M-26, 3-2		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	6.3	3.8	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	6.3	3.8
SOX 1666		FEW M-26, 3-4		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	4.5	2.7	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	4.5	2.7

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1668			FEW M-25, 2-2		Date Sampled
					1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	9.9	4.8
SOX 1670			FEW M-25, 2-4		Date Sampled
					1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1672			FEW M-25, 4-2		Date Sampled
					1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1674			FEW M-25, 4-4		Date Sampled
					1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1675			FEW M-22, 1-1		Date Sampled
					1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1676			FEW M-22, 1-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1679			FEW M-22, 3-1		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1680			FEW M-22, 3-2		Date Sampled 1/15/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1684			FEW M-14, 1-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	6.9	4.2	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	4.2	2.6	
			>C-15	17.2	10.5	
SOX 1685			FEW M-14, 1-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1688			FEW M-14, 3-2		Date Sampled
					1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	3.6	1.7	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	3.6	1.7
SOX 1689			FEW M-14, 3-3		Date Sampled
					1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1691			FEW M-9, 2-1		Date Sampled
					1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.25	0.09
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1692			FEW M-9, 2-2		Date Sampled
					1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1693			FEW M-9, 2-3		Date Sampled
					1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	4.5	2.5	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	2.1	1.1
			>C-15	4.5	2.5

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1695		FEW M-9, 4-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	21.2	8.4	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	21.2	8.4
SOX 1696		FEW M-9, 4-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1700		FEW M-8, 1-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1701		FEW M-8, 1-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1704		FEW M-8, 3-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1705			FEW M-8, 3-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	24.1	8.8	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	24.1	8.8	
SOX 1707			FEW M-7, 2-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1708			FEW M-7, 2-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1711			FEW M-7, 4-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1712			FEW M-7, 4-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	



FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1713			FEW M-7, 4-3		Date Sampled 1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1715			FEW M-6, 1-1		Date Sampled 1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	3.1	0.95	C-12 to C-13	11.6	3.6
n-Tridecane	9.3	2.9	C-13 to C-14	8.8	2.7
n-Pentadecane	53.6	16.7	C-14 to C-15	0.0	0.0
			>C-15	53.6	16.7
SOX 1719			FEW M-6, 3-1		Date Sampled 1/19/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1723			FEW M-5, 2-1		Date Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1724			FEW M-5, 2-2		Date Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	2.2	0.66	C-12 to C-13	4.2	1.3
n-Pentadecane	11.4	3.4	C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	11.4	3.4

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1725		FEW M-5, 2-3		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1726		FEW M-5, 2-4		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1727		FEW M-5, 4-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	2.5	0.67	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	1.6	0.43
			>C-15	2.5	0.67
SOX 1731		FEW M-1, 2-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Tridecane	9.2	3.4	C-12 to C-13	0.0	0.0
n-Pentadecane	127	46.2	C-13 to C-14	8.7	3.2
			C-14 to C-15	0.0	0.0
			>C-15	127	46.2
SOX 1732		FEW M-1, 2-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	2.4	0.53	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	2.4	0.53

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1733			FEW M-1, 2-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	2.5	0.79	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	2.5	0.79	
SOX 1734			FEW M-1, 2-4		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1735			FEW M-1, 4-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	3.4	1.5	
			>C-15	2.3	1.0	
SOX 1739			FEW M-4, 1-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1740			FEW M-4, 1-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1743			FEW M-4, 3-1		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1744			FEW M-4, 3-2		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1745			FEW M-4, 3-3		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1746			FEW M-4, 3-4		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1748			FEW M-3, 2-2		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	3.1	1.3	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	3.1	1.6	

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1749	FEW M-3, 2-3			Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1751	FEW M-3, 4-1			Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	22.3	6.4	C-12 to C-13	41.4	12.0
n-Tridecane	25.5	7.4	C-13 to C-14	24.1	7.0
n-Tetradecane	15.2	4.4	C-14 to C-15	15.1	4.4
n-Pentadecane	4.3	1.2	>C-15	12.6	3.6
SOX 1755	FEW M-2, 1-1			Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1756	FEW M-2, 1-2			Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1757	FEW M-2, 1-3			Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1760		FEW M-2, 3-2		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	0.90	0.31	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.90	0.31
SOX 1761		FEW M-2,3-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1764		FEW M-19, 2-2		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	29.4	14.6	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	29.4	14.6
SOX 1765		FEW M-19, 2-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	14.7	8.7	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	14.7	8.7
SOX 1767		FEW M-19,4-1		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.77	0.19

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1768	FEW M-19, 4-2			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	11.5	3.4	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	11.5	3.4
SOX 1769	FEW M-19, 4-3			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	6.3	3.5	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	9.1	5.0
SOX 1772	FEW M-0,1-2			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	49.7	13.1	C-12 to C-13	6.7	1.8
			C-13 to C-14	0.0	0.0
			C-14 to C-15	13.7	3.6
			>C-15	50.7	13.4
SOX 1773	FEW M-0, 1-3			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1776	FEW M-0, 3-2			Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	12.1	5.6	C-12 to C-13	18.4	8.4
n-Pentadecane	23.2	10.6	C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	28.6	13.1

FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1777		FEW M-0,3-3		Date Sampled 1/19/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	161	49.6	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	162	50.0
SOX 1780		FEW M-21, 2-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1781		FEW M-21, 2-3		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	11.5	3.9	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	11.5	3.9
SOX 1784		FEW M-21,4-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	6.4	2.1	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	6.4	2.1
SOX 1785		FEW M-21, 4-3		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0



FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1788	FEW M-20, 1-2			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1789	FEW M-20, 1-3			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1791	FEW M-20, 3-1			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1792	FEW M-20, 3-2			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1793	FEW M-20, 3-3			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

Ft. Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1796	FEW M-23, 2-2			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1798	FEW M-23, 4-4			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1800	FEW M-23, 4-2			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1802	FEW M-23, 4-4			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1803	FEW M-24, 1-1			Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1804		FEW M-24, 1-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1808		FEW M-24, 3-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1810		FEW M-24, 3-4		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1812		FEW M-18, 1-2		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1813		FEW M-18, 1-3		Date Sampled 1/16/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1815			FEW M-18, 3-1		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	

SOX 1816			FEW M-18, 3-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	4.1	2.4	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	4.5	2.7	

SOX 1817			FEW M-18, 3-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	58.5	36.7	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	58.5	36.7	

SOX 1820			FEW M-17, 2-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	

SOX 1821			FEW M-17, 2-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	

## Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1825		FEW M-17, 4-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1826		FEW M-17, 4-4		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1828		FEW M-16, 1-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1829		FEW M-16, 1-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1832		FEW M-16, 3-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

FFV Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1833	FEW M-16, 3-3			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1834	FEW M-16, 3-4			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1836	FEW M-15, 2-2			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1837	FEW M-15, 2-3			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1840	FEW M-15, 4-2			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1841			FEW M-15, 4-3		Date Sampled
					1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

SOX 1844			FEW M-10, 1-2		Date Sampled
					1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	73.4	33.8	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	73.4	33.8

SOX 1845			FEW M-10, 1-3		Date Sampled
					1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	21.6	6.4

SOX 1847			FEW M-10, 3-1		Date Sampled
					1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	150	75.3	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	154	77.6

SOX 1848			FEW M-10, 3-2		Date Sampled
					1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	64.8	46.5	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	71.7	51.4

FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1849		FEW M-10, 3-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	8.1	4.8	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	3.1	1.8
			>C-15	22.2	13.1
SOX 1851		FEW M-11, 2-1		Date Sampled 1/14/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	5.6	2.9	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	5.6	2.9
SOX 1852		FEW M-11, 2-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Pentadecane	7.3	3.8	C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	7.3	3.8
SOX 1855		FEW M-11, 4-1		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	49.9	28.2	C-12 to C-13	145	82.3
n-Tridecane	14.8	8.4	C-13 to C-14	82.9	46.9
1-Methylnaphthalene	18.0	10.2	C-14 to C-15	105	59.3
n-Tetradecane	23.4	13.3	>C-15	62.5	35.4
n-Pentadecane	46.2	26.1			
SOX 1856		FEW M-11, 4-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	282	169	C-12 to C-13	7,896	4,741
n-Tridecane	1,509	906	C-13 to C-14	6,173	3,707
1-Methylnaphthalene	1,632	980	C-14 to C-15	9,045	5,431
n-Tetradecane	3,074	1,846	>C-15	5,362	3,219
n-Pentadecane	687	413			



FE Warren AFB - Specific Compound and Boiling Point Results					
(Soil MetCl Soxhlet Samples)					
SOX 1857	FEW M-11, 4-3			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1859	FEW M-12, 1-1			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1860	FEW M-12, 1-2			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1861	FEW M-12, 1-3			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0
SOX 1863	FEW M-12, 3-1			Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
No compounds detected			C-12 to C-13	0.0	0.0
			C-13 to C-14	0.0	0.0
			C-14 to C-15	0.0	0.0
			>C-15	0.0	0.0

FL Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 1864			FEW M-12, 3-2		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	2.3	1.4	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	2.3	1.4	
SOX 1865			FEW M-12, 3-3		Date Sampled 1/17/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1867			FEW M-13, 2-1		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
No compounds detected			C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	0.0	0.0	
			>C-15	0.0	0.0	
SOX 1869			FEW M-13, 2-3		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	45.1	24.5	C-12 to C-13	114	61.8	
n-Tridecane	80.7	43.7	C-13 to C-14	150	81.4	
1-Methylnaphthalene	26.9	14.6	C-14 to C-15	258	140	
n-Tetradecane	28.9	15.6	>C-15	509	276	
n-Pentadecane	105	56.8				
SOX 1871			FEW M-13, 4-1		Date Sampled 1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Pentadecane	315	201	C-12 to C-13	0.0	0.0	
			C-13 to C-14	0.0	0.0	
			C-14 to C-15	183	116	
			>C-15	1650	1051	

(Soil MetCl Soxhlet Samples)

SOX 1872			FEW M-13, 4-2			Date Sampled	
						1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)		
n-Pentadecane	991	583	C-12 to C-13	38.5	22.6		
			C-13 to C-14	79.5	46.8		
			C-14 to C-15	0.0	0.0		
			>C-15	1,947	1,145		

SOX 1873			FEW M-13, 4-3			Date Sampled	
						1/18/93	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)		
No compounds detected			C-12 to C-13	0.0	0.0		
			C-13 to C-14	0.0	0.0		
			C-14 to C-15	0.0	0.0		
			>C-15	0.0	0.0		

**APPENDIX 3**

**FINAL VOLATILE HYDROCARBON SOIL RESULTS**

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FEW AFB Final Soil Total Petroleum Hydrocarbon Results (before 1,2,4-TB Correction)  
Methanol Purge and Trap Extraction Samples

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/21/95	6728	M0, 1-3	6.5 to 7.0	P&T Soil	76.8	102
3/21/95	6727	M0, 1-4	6.0 to 6.5	P&T Soil	17.0	22.6
3/21/95	6726	M0, 3-2	3.0 to 3.5	P&T Soil	23.4	31.0
3/21/95	6725	M0, 3-3	2.5 to 3.0	P&T Soil	29.0	38.4
3/21/95	6731	M1, 1-1	7.5 to 8.0	P&T Soil	11.9	15.7
3/21/95	6730	M1, 2-3	4.5 to 5.0	P&T Soil	7.0	9.3
3/21/95	6729	M1, 4-1	1.5 to 2.0	P&T Soil	11.4	15.1
3/21/95	6736	M3, 1-4	6.0 to 6.5	P&T Soil	14.3	18.9
3/21/95	6735	M3, 2-2	5.0 to 5.5	P&T Soil	25.1	33.2
3/21/95	6734	M3, 2-3	4.5 to 5.0	P&T Soil	19.6	26.0
3/21/95	6733	M3, 4-1	1.5 to 2.0	P&T Soil	165	219
3/21/95	6732	M3, 4-2	1.0 to 1.5	P&T Soil	13.1	17.4
3/21/95	6737	M4, 3-4	2.0 to 2.5	P&T Soil	19.4	25.7
3/21/95	6740	M5, 2-3	4.5 to 5.0	P&T Soil	16.1	21.3
3/21/95	6739	M5, 2-4	4.0 to 4.5	P&T Soil	25.0	33.1
3/21/95	6738	M5, 4-1	1.5 to 2.0	P&T Soil	25.2	33.4
3/21/95	6742	M7, 2-1	5.5 to 6.0	P&T Soil	28.0	37.2
3/21/95	6741	M7, 4-2	1.0 to 1.5	P&T Soil	17.3	22.9
3/20/95	6803	M10, 1-1	7.5 to 8.0	P&T Soil	30.8	40.9
3/20/95	6802	M10, 1-2	7.0 to 7.5	P&T Soil	75.0	99.3
3/20/95	6801	M10, 1-3	6.5 to 7.0	P&T Soil	33.5	44.4
3/20/95	6800	M10, 3-1	3.5 to 4.0	P&T Soil	39.5	52.3
3/20/95	6799	M10, 3-3	2.5 to 3.0	P&T Soil	70.2	93.0
3/20/95	6810	M11, 1-4	6.0 to 6.5	P&T Soil	22.9	30.3
3/20/95	6808	M11, 2-2	5.0 to 5.5	P&T Soil	25.6	34.0
3/20/95	6807	M11, 3-4	2.0 to 2.5	P&T Soil	21.5	28.6
3/20/95	6806	M11, 4-2	1.0 to 1.5	P&T Soil	20.3	26.9
3/20/95	6805	M11, 4-3	0.5 to 1.0	P&T Soil	29.7	39.4
3/20/95	6804	M11, 4-4	0.0 to 0.5	P&T Soil	23.7	31.5
3/20/95	6812	M12, 1-3	6.5 to 7.0	P&T Soil	48.2	63.9
3/20/95	6811	M12, 3-3	2.5 to 3.0	P&T Soil	28.1	37.3
3/20/95	6816	M13, 2-3	4.5 to 5.0	P&T Soil	36.6	48.5
3/20/95	6815	M13, 2-4	4.0 to 4.5	P&T Soil	44.3	58.7
3/20/95	6814	M13, 4-1	1.5 to 2.0	P&T Soil	51.0	67.6
3/20/95	6813	M13, 4-2	1.0 to 1.5	P&T Soil	11.8	15.6
3/21/95	6769	M14, 1-2	7.0 to 7.5	P&T Soil	46.9	62.2
3/21/95	6768	M14, 1-3	6.5 to 7.0	P&T Soil	1.5	2.0
3/21/95	6767	M14, 3-2	3.0 to 3.5	P&T Soil	2.5	3.3
3/21/95	6766	M14, 3-3	2.5 to 3.0	P&T Soil	4.5	5.9
3/20/95	6818	M15, 2-2	5.0 to 5.5	P&T Soil	12.9	17.1
3/20/95	6817	M15, 2-3	4.5 to 5.0	P&T Soil	55.6	73.8
3/20/95	6820	M16, 3-3	2.5 to 3.0	P&T Soil	61.9	82.0
3/20/95	6819	M16, 3-4	2.0 to 2.5	P&T Soil	43.1	57.2
3/20/95	6823	M17, 2-3	4.5 to 5.0	P&T Soil	6.7	8.8
3/20/95	6822	M17, 3-1	3.5 to 4.0	P&T Soil	15.0	19.9
3/20/95	6827	M18, 1-4	6.0 to 6.5	P&T Soil	88.5	117
3/20/95	6826	M18, 3-2	3.0 to 3.5	P&T Soil	312	414
3/20/95	6825	M18, 3-3	2.5 to 3.0	P&T Soil	63.2	83.7

**FEW AFB Final Soil Total Petroleum Hydrocarbon Results (before 1,2,4-TB Correction)  
Methanol Purge and Trap Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/20/95	6824	M18, 4-4	0.0 to 0.5	P&T Soil	16.2	21.4
3/21/95	6775	M19, 2-2	5.0 to 5.5	P&T Soil	16.5	21.8
3/21/95	6774	M19, 2-3	4.5 to 5.0	P&T Soil	11.4	15.1
3/21/95	6773	M19, 4-1	1.5 to 2.0	P&T Soil	8.9	11.7
3/21/95	6772	M19, 4-2	1.0 to 1.5	P&T Soil	13.1	17.4
3/21/95	6771	M19, 4-3	0.5 to 1.0	P&T Soil	28.6	37.9
3/20/95	6840	M21, 3-4	2.0 to 2.5	P&T Soil	67.6	89.6
3/21/95	6770	M22, 3-2	3.0 to 3.5	P&T Soil	20.8	27.6
3/20/95	6839	M23, 2-2	5.0 to 5.5	P&T Soil	9.1	12.1
3/20/95	6838	M23, 4-4	0.0 to 0.5	P&T Soil	27.0	35.8
3/21/95	6777	M24, 3-2	3.0 to 3.5	P&T Soil	17.5	23.2
3/21/95	6776	M24, 3-4	2.0 to 2.5	P&T Soil	9.0	11.9
3/20/95	6828	M25, 2-4	4.0 to 4.5	P&T Soil	21.8	28.9
3/20/95	6829	M26, 1-3	6.5 to 7.0	P&T Soil	14.3	18.9
3/20/95	6833	M27, 2-2	5.0 to 5.5	P&T Soil	52.2	69.1
3/20/95	6832	M27, 2-4	4.0 to 4.5	P&T Soil	50.0	66.2
3/20/95	6831	M27, 4-1	1.5 to 2.0	P&T Soil	92.0	122
3/20/95	6830	M27, 4-4	0.0 to 0.5	P&T Soil	15.0	19.9
3/21/95	6759	M28, 1-1	7.5 to 8.0	P&T Soil	17.2	22.8
3/21/95	6758	M28, 1-2	7.0 to 7.5	P&T Soil	8.0	10.6
3/21/95	6757	M28, 2-1	5.5 to 6.0	P&T Soil	139	185
3/21/95	6756	M28, 2-2	5.0 to 5.5	P&T Soil	199	263
3/21/95	6755	M28, 3-1	3.5 to 4.0	P&T Soil	118	156
3/21/95	6754	M28, 3-2	3.0 to 3.5	P&T Soil	82.4	109
3/21/95	6753	M28, 3-3	2.5 to 3.0	P&T Soil	33.4	44.2
3/21/95	6752	M28, 3-4	2.0 to 2.5	P&T Soil	228	302
3/21/95	6751	M29, 1-1	7.5 to 8.0	P&T Soil	904	1,198
3/21/95	6750	M29, 1-2	7.0 to 7.5	P&T Soil	179	237
3/21/95	6749	M29, 1-3	6.5 to 7.0	P&T Soil	98.6	131
3/21/95	6748	M29, 2-3	4.5 to 5.0	P&T Soil	40.3	53.4
3/21/95	6747	M29, 2-4	4.0 to 4.5	P&T Soil	26.4	34.9
3/21/95	6746	M29, 4-1	1.5 to 2.0	P&T Soil	54.3	72.0
3/21/95	6745	M29, 4-2	1.0 to 1.5	P&T Soil	83.3	110
3/21/95	6744	M29, 4-3	0.5 to 1.0	P&T Soil	21.7	28.7
3/21/95	6743	M29, 4-4	0.0 to 0.5	P&T Soil	17.1	22.7
3/20/95	6837	M30, 1-3	6.5 to 7.0	P&T Soil	18.1	23.9
3/20/95	6836	M30, 1-4	6.0 to 6.5	P&T Soil	20.3	26.9
3/20/95	6835	M30, 2-1	5.5 to 6.0	P&T Soil	15.7	20.8
3/20/95	6834	M30, 3-2	3.0 to 3.5	P&T Soil	15.4	20.4
3/20/95	6798	M31, 1-1	7.5 to 8.0	P&T Soil	26.5	35.2
3/20/95	6797	M31, 1-2	7.0 to 7.5	P&T Soil	43.6	57.7
3/20/95	6796	M31, 2-1	5.5 to 6.0	P&T Soil	31.9	42.2
3/20/95	6795	M31, 2-2	5.0 to 5.5	P&T Soil	42.2	56.0
3/20/95	6794	M31, 2-4	4.0 to 4.5	P&T Soil	32.1	42.5
3/20/95	6793	M31, 4-2	1.0 to 1.5	P&T Soil	70.6	93.5
3/20/95	6792	M31, 4-3	0.5 to 1.0	P&T Soil	82.4	109
3/20/95	6791	M31, 4-4	0.0 to 0.5	P&T Soil	71.6	94.9
3/20/95	6785	M32, 3-2	3.0 to 3.5	P&T Soil	20.3	26.9

**FEW AFB Final Soil Total Petroleum Hydrocarbon Results (before 1,2,4-TB Correction)**  
**Methanol Purge and Trap Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/20/95	6790	M32, 1-1	7.5 to 8.0	P&T Soil	12.2	16.1
3/20/95	6789	M32, 1-2	7.0 to 7.5	P&T Soil	14.6	19.4
3/20/95	6788	M32, 1-3	6.5 to 7.0	P&T Soil	13.4	17.8
3/20/95	6787	M32, 2-1	5.5 to 6.0	P&T Soil	18.4	24.4
3/20/95	6786	M32, 3-1	3.5 to 4.0	P&T Soil	33.3	44.1
3/20/95	6784	M33, 1-1	7.5 to 8.0	P&T Soil	695	921
3/20/95	6783	M33, 1-2	7.0 to 7.5	P&T Soil	399	529
3/20/95	6782	M33, 2-2	5.0 to 5.5	P&T Soil	30.5	40.4
3/20/95	6781	M33, 2-3	4.5 to 5.0	P&T Soil	15.9	21.0
3/20/95	6780	M33, 4-1	1.5 to 2.0	P&T Soil	6.7	8.9
3/20/95	6779	M33, 4-2	1.0 to 1.5	P&T Soil	8.6	11.4
3/20/95	6778	M33, 4-3	0.5 to 1.0	P&T Soil	11.7	15.5
3/21/95	6765	M34, 1-2	7.0 to 7.5	P&T Soil	237	314
3/21/95	6764	M34, 1-3	6.5 to 7.0	P&T Soil	0.32	0.42
3/21/95	6763	M34, 1-4	6.0 to 6.5	P&T Soil	66.0	87.5
3/21/95	6762	M34, 2-1	5.5 to 6.0	P&T Soil	39.3	52.1
3/21/95	6761	M34, 3-2	3.0 to 3.5	P&T Soil	41.0	54.3
3/21/95	6760	M34, 3-3	2.5 to 3.0	P&T Soil	41.2	54.6



FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6725			Sample Name: M0, 3-3		Sample Date: 3/21/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	40.1	0.49	<C-6	41.6	0.51	
n-Hexane	26.3	0.32	C-6 to C-7	104	1.3	
2,4-Dimethylpentane	63.7	0.78	C-7 to C-8	163	2.0	
Benzene	2.8	0.03	C-8 to C-9	235	2.9	
n-Heptane	19.0	0.23	C-9 to C-10	1,198	14.8	
Toluene	45.5	0.56	C-10 to C-11	216	2.7	
n-Octane	32.0	0.39	C-11 to C-12	116	1.4	
Ethylbenzene	9.9	0.12				
p-Xylene	133	1.6				
n-Nonane	19.6	0.24				
1,3,5-Trimethylbenzene	32.0	0.39				
1,2,4-Trimethylbenzene	932	11.5				
n-Decane	44.5	0.55				
1,2,3-Trimethylbenzene	46.8	0.58				
n-Butylbenzene	47.9	0.59				
n-Undecane	41.8	0.51				
Naphthalene	22.2	0.27				

Log # 6726			Sample Name: M0, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	394	2.8	<C-6	640	4.5	
2-Methylpentane	87.3	0.61	C-6 to C-7	161	1.1	
n-Hexane	65.7	0.46	C-7 to C-8	273	1.9	
2,4-Dimethylpentane	52.2	0.36	C-8 to C-9	336	2.3	
Benzene	5.3	0.04	C-9 to C-10	1,304	9.1	
n-Heptane	43.2	0.30	C-10 to C-11	413	2.9	
Toluene	30.0	0.21	C-11 to C-12	373	2.6	
n-Octane	70.0	0.49				
Ethylbenzene	10.4	0.07				
p-Xylene	134	0.93				
Nonane	69.8	0.49				
n-Propylbenzene	10.7	0.08				
1,3,5-Trimethylbenzene	62.7	0.44				
1,2,4-Trimethylbenzene	907	6.3				
n-Decane	85.7	0.60				
1,2,3-Trimethylbenzene	60.0	0.42				
n-Butylbenzene	99.0	0.69				
n-Undecane	86.8	0.61				

Log # 6727			Sample Name: M0, 1-4		Sample Date: 3/21/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	552	1.4	<C-6	870	2.3	
2-Methylpentane	102	0.27	C-6 to C-7	251	0.66	
n-Hexane	119	0.31	C-7 to C-8	491	1.3	
2,4-Dimethylpentane	55.7	0.15	C-8 to C-9	664	1.7	
Benzene	2.1	0.01	C-9 to C-10	1,452	3.8	
n-Heptane	110	0.29	C-10 to C-11	1,273	3.3	
Toluene	59.8	0.16	C-11 to C-12	1,390	3.6	
n-Octane	167	0.44				
Ethylbenzene	26.8	0.07				
p-Xylene	41.2	0.11				
Nonane	185	0.49				
n-Propylbenzene	41.2	0.11				
1,3,5-Trimethylbenzene	190	0.50				
1,2,4-Trimethylbenzene	638	1.7				
n-Decane	285	0.75				
1,2,3-Trimethylbenzene	138	0.36				
n-Butylbenzene	110	0.29				
n-Undecane	311	0.81				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6728			Sample Name: M0, 1-3		Sample Date: 3/21/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	611	8.5	<C-6	958	13.3	
2-Methylpentane	112	1.6	C-6 to C-7	277	3.8	
n-Hexane	120	1.7	C-7 to C-8	472	6.6	
2,4-Dimethylpentane	71.8	1.0	C-8 to C-9	613	8.5	
Benzene	6.3	0.09	C-9 to C-10	1,334	18.5	
n-Heptane	109	1.5	C-10 to C-11	1,028	14.3	
Toluene	13.5	0.19	C-11 to C-12	702	9.7	
n-Octane	172	2.4				
p-Xylene	53.7	0.75				
Nonane	164	2.3				
n-Propylbenzene	50.2	0.70				
1,3,5-Trimethylbenzene	221	3.1				
1,2,4-Trimethylbenzene	619	8.6				
n-Decane	202	2.8				
1,2,3-Trimethylbenzene	69.9	0.97				
n-Butylbenzene	145	2.0				
n-Undecane	164	2.3				

Log # 6729			Sample Name: M1, 4-1		Sample Date: 3/21/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.7	0.04	<C-6	0.0	0.0	
2,4-Dimethylpentane	43.0	0.46	C-6 to C-7	57.3	0.61	
Benzene	6.9	0.07	C-7 to C-8	1.3	0.01	
n-Heptane	1.7	0.02	C-8 to C-9	50.3	0.53	
p-Xylene	40.2	0.43	C-9 to C-10	778	8.2	
1,3,5-Trimethylbenzene	4.6	0.05	C-10 to C-11	14.7	0.16	
1,2,4-Trimethylbenzene	669	7.1	C-11 to C-12	5.5	0.06	
n-Decane	10.3	0.11				
1,2,3-Trimethylbenzene	5.6	0.06				
n-Undecane	4.2	0.04				

Log # 6730			Sample Name: M1, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.3	0.02	<C-6	0.0	0.0	
2,4-Dimethylpentane	33.2	0.24	C-6 to C-7	46.4	0.33	
Benzene	7.1	0.05	C-7 to C-8	1.2	0.01	
Toluene	0.88	0.01	C-8 to C-9	45.9	0.33	
p-Xylene	36.7	0.26	C-9 to C-10	711	5.1	
1,3,5-Trimethylbenzene	3.9	0.03	C-10 to C-11	15.8	0.11	
1,2,4-Trimethylbenzene	612	4.4	C-11 to C-12	5.2	0.04	
n-Decane	9.6	0.07				
1,2,3-Trimethylbenzene	6.9	0.05				
n-Butylbenzene	0.31	0.00				
n-Undecane	4.0	0.03				

FEW AFB Soil Methanol Extract  
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Log # 6731			Sample Name: M1, 1-1		Sample Date: 3/21/95
			Depth (ft): 7.5 to 8.0		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	30.0	0.23	<C-6	37.7	0.30
n-Heptane	4.1	0.03	C-6 to C-7	9.7	0.08
n-Octane	5.4	0.04	C-7 to C-8	3.3	0.03
p-Xylene	55.1	0.43	C-8 to C-9	73.0	0.57
Nonane	6.3	0.05	C-9 to C-10	1,098	8.6
1,3,5-Trimethylbenzene	2.1	0.02	C-10 to C-11	41.6	0.33
1,2,4-Trimethylbenzene	939	7.3	C-11 to C-12	15.0	0.12
n-Decane	21.2	0.17			
1,2,3-Trimethylbenzene	12.2	0.10			
n-Butylbenzene	3.1	0.02			
n-Undecane	9.5	0.07			

Log # 6732			Sample Name: M3, 4-2		Sample Date: 3/21/95
			Depth (ft): 1.0 to 1.5		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	2.8	0.02	<C-6	0.0	0.0
2,4-Dimethylpentane	27.6	0.24	C-6 to C-7	26.6	0.23
Toluene	1.1	0.01	C-7 to C-8	1.5	0.01
p-Xylene	57.6	0.50	C-8 to C-9	72.0	0.62
1,3,5-Trimethylbenzene	1.5	0.01	C-9 to C-10	1,163	10.0
1,2,4-Trimethylbenzene	1,006	8.7	C-10 to C-11	0.0	0.0
n-Undecane	2.0	0.02	C-11 to C-12	2.6	0.02

Log # 6733			Sample Name: M3, 4-1		Sample Date: 3/21/95
			Depth (ft): 1.5 to 2.0		
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	4.9	0.15	<C-6	0.0	0.0
2,4-Dimethylpentane	17.4	0.54	C-6 to C-7	67.1	2.1
Benzene	3.5	0.11	C-7 to C-8	14.8	0.46
n-Heptane	6.4	0.20	C-8 to C-9	92.4	2.9
Toluene	3.8	0.12	C-9 to C-10	1,279	40.0
n-Octane	18.9	0.59	C-10 to C-11	973	30.4
p-Xylene	59.3	1.9	C-11 to C-12	2,994	93.6
Nonane	62.6	2.0			
n-Propylbenzene	13.6	0.43			
1,3,5-Trimethylbenzene	104	3.3			
1,2,4-Trimethylbenzene	923	28.9			
n-Decane	308	9.6			
1,2,3-Trimethylbenzene	68.3	2.1			
n-Butylbenzene	62.8	2.0			
n-Undecane	908	28.4			

FEW AFB Soil Methanol Extract  
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Log # 6734			Sample Name: M3, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.1	0.04	<C-6	7.6	0.06	
2,4-Dimethylpentane	34.0	0.29	C-6 to C-7	104	0.88	
Benzene	5.5	0.05	C-7 to C-8	4.7	0.04	
n-Heptane	2.6	0.02	C-8 to C-9	77.0	0.65	
Toluene	1.9	0.02	C-9 to C-10	1,185	10.0	
n-Octane	5.8	0.05	C-10 to C-11	197	1.7	
p-Xylene	58.1	0.49	C-11 to C-12	567	4.8	
Nonane	18.0	0.15				
1,3,5-Trimethylbenzene	21.2	0.18				
1,2,4-Trimethylbenzene	991	8.4				
n-Decane	73.8	0.62				
1,2,3-Trimethylbenzene	15.1	0.13				
n-Butylbenzene	18.8	0.16				
n-Undecane	170	1.4				

Log # 6735			Sample Name: M3, 2-2		Sample Date: 3/21/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	52.0	0.52	<C-6	12.7	0.13	
Benzene	4.9	0.05	C-6 to C-7	116	1.2	
n-Heptane	6.9	0.07	C-7 to C-8	13.0	0.13	
Toluene	3.9	0.04	C-8 to C-9	76.2	0.77	
n-Octane	14.9	0.15	C-9 to C-10	1,081	10.9	
p-Xylene	51.9	0.52	C-10 to C-11	308	3.1	
Nonane	40.4	0.41	C-11 to C-12	745	7.5	
1,3,5-Trimethylbenzene	38.3	0.39				
1,2,4-Trimethylbenzene	865	8.7				
n-Decane	109	1.1				
n-Butylbenzene	33.0	0.33				
n-Undecane	227	2.3				
Naphthalene	409	4.1				

Log # 6736			Sample Name: M3, 1-4		Sample Date: 3/21/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.0	0.03	<C-6	0.0	0.0	
2,4-Dimethylpentane	44.5	0.40	C-6 to C-7	51.6	0.46	
Benzene	6.9	0.06	C-7 to C-8	0.0	0.0	
p-Xylene	56.8	0.51	C-8 to C-9	71.1	0.63	
1,3,5-Trimethylbenzene	1.2	0.01	C-9 to C-10	1,189	10.6	
1,2,4-Trimethylbenzene	1,024	9.1	C-10 to C-11	20.2	0.18	
n-Decane	13.8	0.12	C-11 to C-12	5.7	0.05	
1,2,3-Trimethylbenzene	7.9	0.07				
n-Undecane	4.4	0.04				

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Log # 6737			Sample Name: M4, 3-4		Sample Date: 3/21/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.7	0.04	<C-6	0.0	0.0	
2,4-Dimethylpentane	22.2	0.24	C-6 to C-7	26.6	0.28	
Benzene	2.8	0.03	C-7 to C-8	1.8	0.02	
Toluene	1.3	0.01	C-8 to C-9	88.4	0.94	
p-Xylene	70.7	0.75	C-9 to C-10	1,392	14.8	
1,3,5-Trimethylbenzene	0.66	0.01	C-10 to C-11	0.0	0.0	
1,2,4-Trimethylbenzene	1,203	12.8	C-11 to C-12	3.1	0.03	
n-Undecane	2.3	0.02				

Log # 6738			Sample Name: M5, 4-1		Sample Date: 3/21/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	35.9	0.51	<C-6	0.0	0.0	
2,4-Dimethylpentane	56.9	0.81	C-6 to C-7	85.1	1.2	
Toluene	1.0	0.01	C-7 to C-8	1.3	0.02	
p-Xylene	63.8	0.91	C-8 to C-9	79.8	1.1	
1,3,5-Trimethylbenzene	1.3	0.02	C-9 to C-10	1,281	18.2	
1,2,4-Trimethylbenzene	1,103	15.7	C-10 to C-11	28.6	0.41	
n-Decane	17.7	0.25	C-11 to C-12	18.1	0.26	
1,2,3-Trimethylbenzene	9.8	0.14				
n-Butylbenzene	2.5	0.04				
n-Undecane	6.6	0.09				

Log # 6739			Sample Name: M5, 2-4		Sample Date: 3/21/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	8.6	0.08	<C-6	0.0	0.0	
2,4-Dimethylpentane	49.7	0.46	C-6 to C-7	172	1.6	
Benzene	10.7	0.10	C-7 to C-8	20.0	0.18	
n-Heptane	6.5	0.06	C-8 to C-9	124	1.1	
Toluene	6.9	0.06	C-9 to C-10	1,737	16.0	
n-Octane	5.8	0.05	C-10 to C-11	124	1.1	
p-Xylene	95.7	0.88	C-11 to C-12	173	1.6	
Nonane	13.9	0.13				
1,3,5-Trimethylbenzene	15.0	0.14				
1,2,4-Trimethylbenzene	1,477	13.6				
n-Decane	66.4	0.61				
1,2,3-Trimethylbenzene	18.2	0.17				
n-Butylbenzene	17.4	0.16				
n-Undecane	70.9	0.65				

FEW AFB Soil Methanol Extract  
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Log # 6740			Sample Name: M5, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	1.3	0.01	<C-6	0.0	0.0	
2,4-Dimethylpentane	22.9	0.17	C-6 to C-7	21.2	0.16	
Toluene	0.94	0.01	C-7 to C-8	2.0	0.01	
p-Xylene	78.6	0.60	C-8 to C-9	98.3	0.75	
1,3,5-Trimethylbenzene	1.7	0.01	C-9 to C-10	1,569	12.0	
1,2,4-Trimethylbenzene	1,350	10.3	C-10 to C-11	29.9	0.23	
n-Decane	20.9	0.16	C-11 to C-12	38.3	0.29	
1,2,3-Trimethylbenzene	11.3	0.09				
n-Undecane	7.2	0.05				

Log # 6741			Sample Name: M7, 4-2		Sample Date: 3/21/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	2.8	0.03	<C-6	0.0	0.0	
2,4-Dimethylpentane	34.9	0.33	C-6 to C-7	40.6	0.38	
Benzene	0.32	0.00	C-7 to C-8	1.5	0.01	
Toluene	1.1	0.01	C-8 to C-9	84.0	0.79	
p-Xylene	67.1	0.64	C-9 to C-10	1,335	12.6	
1,3,5-Trimethylbenzene	1.1	0.01	C-10 to C-11	24.2	0.23	
1,2,4-Trimethylbenzene	1,150	10.9	C-11 to C-12	51.6	0.49	
n-Decane	16.6	0.16				
1,2,3-Trimethylbenzene	9.4	0.09				
n-Undecane	4.8	0.05				

Log # 6742			Sample Name: M7, 2-1		Sample Date: 3/21/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	115	1.4	<C-6	138	1.7	
n-Hexane	26.7	0.33	C-6 to C-7	495	6.1	
2,4-Dimethylpentane	28.9	0.35	C-7 to C-8	25.0	0.31	
Benzene	0.48	0.01	C-8 to C-9	102	1.2	
n-Heptane	7.2	0.09	C-9 to C-10	1,212	14.9	
Toluene	9.4	0.11	C-10 to C-11	58.2	0.71	
n-Octane	5.0	0.06	C-11 to C-12	52.0	0.64	
Ethylbenzene	4.5	0.05				
p-Xylene	68.5	0.84				
Nonane	13.9	0.17				
1,3,5-Trimethylbenzene	2.3	0.03				
1,2,4-Trimethylbenzene	1,031	12.6				
n-Decane	31.1	0.38				
1,2,3-Trimethylbenzene	18.3	0.23				
n-Undecane	22.5	0.28				

FEW AFB Soil Methanol Extract  
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Log # 6743			Sample Name: M29, 4-4		Sample Date: 3/21/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.9	0.05	<C-6	4.0	0.03	
2,4-Dimethylpentane	33.3	0.27	C-6 to C-7	83.1	0.68	
n-Heptane	2.2	0.02	C-7 to C-8	11.1	0.09	
Toluene	4.2	0.03	C-8 to C-9	100	0.82	
p-Xylene	79.6	0.65	C-9 to C-10	1,474	12.1	
1,3,5-Trimethylbenzene	5.0	0.04	C-10 to C-11	39.4	0.32	
1,2,4-Trimethylbenzene	1,264	10.4	C-11 to C-12	54.1	0.44	
n-Decane	23.8	0.20				
1,2,3-Trimethylbenzene	12.8	0.11				
n-Butylbenzene	4.5	0.04				
n-Undecane	11.1	0.09				

Log # 6744			Sample Name: M29, 4-3		Sample Date: 3/21/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	4.7	0.05	<C-6	0.0	0.0	
2,4-Dimethylpentane	44.8	0.45	C-6 to C-7	54.5	0.55	
Benzene	0.45	0.0	C-7 to C-8	15.7	0.16	
Toluene	11.5	0.12	C-8 to C-9	105	1.1	
p-Xylene	83.8	0.85	C-9 to C-10	1,562	15.8	
1,3,5-Trimethylbenzene	1.8	0.02	C-10 to C-11	32.9	0.33	
1,2,4-Trimethylbenzene	1,346	13.6	C-11 to C-12	24.0	0.24	
n-Decane	21.4	0.22				
1,2,3-Trimethylbenzene	11.7	0.12				
n-Butylbenzene	1.8	0.02				
n-Undecane	3.7	0.04				

Log # 6745			Sample Name: M29, 4-2		Sample Date: 3/21/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.0	0.07	<C-6	0.0	0.0	
2,4-Dimethylpentane	19.1	0.26	C-6 to C-7	20.9	0.28	
Ethylbenzene	85.9	1.2	C-7 to C-8	0.0	0.0	
n-Propylbenzene	15.3	0.21	C-8 to C-9	102	1.4	
1,3,5-Trimethylbenzene	49.0	0.67	C-9 to C-10	1,675	22.8	
1,2,4-Trimethylbenzene	1,370	18.6	C-10 to C-11	974	13.3	
1,2,3-Trimethylbenzene	133	1.8	C-11 to C-12	3,471	47.2	
n-Butylbenzene	126	1.7				
n-Undecane	223	3.0				
Naphthalene	1,070	14.6				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6746			Sample Name: M29, 4-1		Sample Date: 3/21/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	54.2	0.58	<C-6	72.3	0.77	
2,4-Dimethylpentane	29.9	0.32	C-6 to C-7	42.5	0.45	
Benzene	0.40	0.00	C-7 to C-8	28.1	0.30	
Toluene	13.9	0.15	C-8 to C-9	218	2.3	
Ethylbenzene	174	1.9	C-9 to C-10	2,669	28.5	
Nonane	7.2	0.08	C-10 to C-11	334	3.6	
n-Propylbenzene	29.7	0.32	C-11 to C-12	1,340	14.3	
1,3,5-Trimethylbenzene	19.8	0.21				
1,2,4-Trimethylbenzene	2,230	23.8				
n-Decane	67.1	0.72				
1,2,3-Trimethylbenzene	65.7	0.70				
n-Butylbenzene	83.8	0.89				
n-Undecane	187	2.0				
Naphthalene	251	2.7				

Log # 6747			Sample Name: M29, 2-4		Sample Date: 3/21/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	23.0	0.35	<C-6	18.5	0.28	
Benzene	0.37	0.01	C-6 to C-7	37.4	0.57	
n-Heptane	3.3	0.05	C-7 to C-8	16.0	0.24	
Toluene	7.0	0.11	C-8 to C-9	62.2	0.95	
Ethylbenzene	48.2	0.74	C-9 to C-10	732	11.2	
Nonane	6.2	0.10	C-10 to C-11	131	2.0	
n-Propylbenzene	1.7	0.03	C-11 to C-12	673	10.3	
1,3,5-Trimethylbenzene	5.1	0.08				
1,2,4-Trimethylbenzene	607	9.3				
n-Decane	20.8	0.32				
1,2,3-Trimethylbenzene	15.9	0.24				
n-Butylbenzene	38.0	0.58				
n-Undecane	90.7	1.4				
Naphthalene	132	2.0				

Log # 6748			Sample Name: M29, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	27.6	0.43	<C-6	308	4.8	
Benzene	0.93	0.01	C-6 to C-7	93.1	1.5	
n-Heptane	9.3	0.15	C-7 to C-8	37.9	0.59	
Toluene	1.1	0.02	C-8 to C-9	76.8	1.2	
n-Octane	9.3	0.14	C-9 to C-10	446	7.0	
Ethylbenzene	6.9	0.11	C-10 to C-11	509	7.9	
Nonane	15.6	0.24	C-11 to C-12	1,238	19.3	
n-Propylbenzene	33.2	0.52				
1,3,5-Trimethylbenzene	19.6	0.31				
1,2,4-Trimethylbenzene	283	4.4				
n-Decane	50.4	0.79				
1,2,3-Trimethylbenzene	47.6	0.74				
n-Butylbenzene	125	2.0				
n-Undecane	142	2.2				
Naphthalene	269	4.2				



**FEW AFB Soil Methanol Extract**  
**Specific Compound and Boiling Point P&T Data**

Log # 6749			Sample Name: M29, 1-3	Sample Date: 3/21/95		
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	95.8	1.7	<C-6	458	8.1	
2,4-Dimethylpentane	56.7	1.0	C-6 to C-7	146	2.6	
Benzene	2.4	0.04	C-7 to C-8	113	2.0	
n-Heptane	13.3	0.24	C-8 to C-9	155	2.7	
Toluene	9.5	0.17	C-9 to C-10	772	13.7	
n-Octane	20.5	0.36	C-10 to C-11	912	16.2	
Ethylbenzene	76.1	1.4	C-11 to C-12	3,434	60.9	
Nonane	25.2	0.45				
n-Propylbenzene	74.5	1.3				
1,3,5-Trimethylbenzene	43.6	0.77				
1,2,4-Trimethylbenzene	438	7.8				
n-Decane	87.2	1.5				
1,2,3-Trimethylbenzene	117	2.1				
n-Butylbenzene	252	4.5				
n-Undecane	344	6.1				

Log # 6750			Sample Name: M29, 1-2	Sample Date: 3/21/95		
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	102	1.5	<C-6	639	9.7	
2,4-Dimethylpentane	56.6	0.86	C-6 to C-7	186	2.8	
Benzene	2.0	0.03	C-7 to C-8	106	1.6	
n-Heptane	25.4	0.39	C-8 to C-9	220	3.3	
Toluene	9.4	0.14	C-9 to C-10	1,500	22.7	
n-Octane	34.7	0.53	C-10 to C-11	2,542	38.5	
Ethylbenzene	119	1.8	C-11 to C-12	7,407	112	
Nonane	62.9	1.0				
n-Propylbenzene	150	2.3				
1,3,5-Trimethylbenzene	123	1.9				
1,2,4-Trimethylbenzene	760	11.5				
n-Decane	233	3.5				
1,2,3-Trimethylbenzene	245	3.7				
n-Butylbenzene	629	9.5				
n-Undecane	635	9.6				
Naphthalene	1,084	16.4				

Log # 6751			Sample Name: M29, 1-1	Sample Date: 3/21/95		
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	662	11.3	<C-6	3,324	56.7	
2-Methylpentane	200	3.4	C-6 to C-7	1,416	24.1	
2,4-Dimethylpentane	195	3.3	C-7 to C-8	624	10.6	
Benzene	21.2	0.36	C-8 to C-9	993	16.9	
n-Heptane	117	2.0	C-9 to C-10	5,079	86.6	
Toluene	58.6	1.0	C-10 to C-11	14,468	247	
n-Octane	138	2.4	C-11 to C-12	30,159	514	
Ethylbenzene	108	1.8				
Nonane	130	2.2				
n-Propylbenzene	582	9.9				
1,3,5-Trimethylbenzene	658	11.2				
1,2,4-Trimethylbenzene	2,077	35.4				
n-Decane	835	14.2				
1,2,3-Trimethylbenzene	1,693	28.9				
n-Butylbenzene	2,994	51.0				
n-Undecane	3,203	54.6				
Naphthalene	6,049	103				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6752			Sample Name: M28, 3-4	Sample Date: 3/21/95		
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	160	3.7	<C-6	470	10.9	
2,4-Dimethylpentane	65.9	1.5	C-6 to C-7	1,358	31.4	
Benzene	1.4	0.03	C-7 to C-8	285	6.6	
n-Heptane	29.4	0.68	C-8 to C-9	653	15.1	
Toluene	6.5	0.15	C-9 to C-10	1,004	23.2	
n-Octane	17.4	0.40	C-10 to C-11	1,155	26.7	
Ethylbenzene	44.9	1.0	C-11 to C-12	5,745	133	
Nonane	15.4	0.36				
n-Propylbenzene	123	2.9				
1,3,5-Trimethylbenzene	85.9	2.0				
1,2,4-Trimethylbenzene	551	12.8				
n-Decane	83.7	1.9				
1,2,3-Trimethylbenzene	134	3.1				
n-Butylbenzene	247	5.7				
n-Undecane	357	8.3				
Naphthalene	1,102	25.5				

Log # 6753			Sample Name: M28, 3-3	Sample Date: 3/21/95		
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	30.5	0.33	<C-6	89.8	0.97	
2,4-Dimethylpentane	47.6	0.51	C-6 to C-7	365	3.9	
Benzene	0.1	0.00	C-7 to C-8	47.5	0.51	
Toluene	34.9	0.38	C-8 to C-9	140	1.5	
Ethylbenzene	93.7	1.0	C-9 to C-10	660	7.1	
Nonane	7.1	0.08	C-10 to C-11	351	3.8	
n-Propylbenzene	23.7	0.26	C-11 to C-12	1,569	16.9	
1,3,5-Trimethylbenzene	21.9	0.24				
1,2,4-Trimethylbenzene	503	5.4				
n-Decane	33.9	0.37				
1,2,3-Trimethylbenzene	37.4	0.40				
n-Butylbenzene	75.9	0.82				
n-Undecane	112	1.2				
Naphthalene	353	3.8				

Log # 6754			Sample Name: M28, 3-2	Sample Date: 3/21/95		
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	376	7.4	<C-6	561	11.1	
2-Methylpentane	5.5	0.11	C-6 to C-7	714	14.1	
n-Hexane	42.2	0.83	C-7 to C-8	88.1	1.7	
2,4-Dimethylpentane	45.1	0.89	C-8 to C-9	141	2.8	
Benzene	2.9	0.06	C-9 to C-10	644	12.7	
n-Heptane	26.2	0.52	C-10 to C-11	433	8.6	
Toluene	4.4	0.09	C-11 to C-12	1,908	37.7	
n-Octane	13.5	0.27				
Ethylbenzene	10.1	0.20				
Nonane	13.5	0.27				
n-Propylbenzene	32.7	0.65				
1,3,5-Trimethylbenzene	31.5	0.62				
1,2,4-Trimethylbenzene	463	9.2				
n-Decane	41.0	0.81				
1,2,3-Trimethylbenzene	39.7	0.78				
n-Butylbenzene	107	2.1				
n-Undecane	134	2.6				
Naphthalene	510	10.1				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6735			Sample Name: M28, 3-1		Sample Date: 3/21/95	
			Depth (ft): 3.5 to 4.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	524	11.7	<C-6	1,129	25.3	
2-Methylpentane	95.4	2.1	C-6 to C-7	1,308	29.3	
n-Hexane	68.4	1.5	C-7 to C-8	143	3.2	
2,4-Dimethylpentane	45.4	1.0	C-8 to C-9	174	3.9	
Benzene	3.9	0.09	C-9 to C-10	743	16.6	
n-Heptane	53.2	1.2	C-10 to C-11	499	11.2	
Toluene	13.0	0.29	C-11 to C-12	1,679	37.6	
n-Octane	25.7	0.58				
Ethylbenzene	11.1	0.25				
Nonane	17.6	0.39				
n-Propylbenzene	30.5	0.68				
1,3,5-Trimethylbenzene	62.6	1.4				
1,2,4-Trimethylbenzene	459	10.3				
n-Decane	57.4	1.3				
1,2,3-Trimethylbenzene	50.9	1.1				
n-Butylbenzene	63.6	1.4				
n-Undecane	198	4.4				

Log # 6756			Sample Name: M28, 2-2		Sample Date: 3/21/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	574	17.4	<C-6	1,195	36.1	
2-Methylpentane	143	4.3	C-6 to C-7	1,934	58.4	
n-Hexane	211	6.4	C-7 to C-8	508	15.3	
2,4-Dimethylpentane	91.4	2.8	C-8 to C-9	286	8.7	
Benzene	0.7	0.02	C-9 to C-10	809	24.5	
n-Heptane	154	4.7	C-10 to C-11	640	19.3	
Toluene	50.9	1.5	C-11 to C-12	1,618	48.9	
n-Octane	76.5	2.3				
Ethylbenzene	57.5	1.7				
p-Xylene	23.2	0.70				
Nonane	33.5	1.0				
1,3,5-Trimethylbenzene	96.2	2.9				
1,2,4-Trimethylbenzene	483	14.6				
n-Decane	89.5	2.7				
1,2,3-Trimethylbenzene	41.6	1.3				
n-Butylbenzene	87.6	2.6				
n-Undecane	191	5.8				

Log # 6737			Sample Name: M28, 2-1		Sample Date: 3/21/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	658	14.6	<C-6	1,303	28.9	
2-Methylpentane	155	3.4	C-6 to C-7	1,266	28.1	
n-Hexane	159	3.5	C-7 to C-8	529	11.7	
2,4-Dimethylpentane	108	2.4	C-8 to C-9	330	7.3	
Benzene	9.9	0.22	C-9 to C-10	883	19.6	
n-Heptane	103	2.3	C-10 to C-11	720	16.0	
Toluene	48.8	1.1	C-11 to C-12	1,607	35.6	
n-Octane	70.4	1.6				
Ethylbenzene	63.8	1.4				
p-Xylene	18.9	0.42				
Nonane	30.1	0.67				
n-Propylbenzene	51.0	1.1				
1,3,5-Trimethylbenzene	103	2.3				
1,2,4-Trimethylbenzene	481	10.7				
n-Decane	91.2	2.0				
1,2,3-Trimethylbenzene	55.0	1.2				
n-Butylbenzene	100	2.2				
n-Undecane	168	3.7				
Naphthalene	260	5.8				

FEW AFB Soil Metanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6758			Sample Name: M28, 1-2		Sample Date: 3/21/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.4	0.03	<C-6	0.0	0.0	
2,4-Dimethylpentane	48.4	0.42	C-6 to C-7	59.5	0.51	
Benzene	6.6	0.06	C-7 to C-8	6.9	0.06	
Toluene	5.0	0.04	C-8 to C-9	39.7	0.34	
p-Xylene	31.7	0.27	C-9 to C-10	608	5.2	
1,3,5-Trimethylbenzene	4.5	0.04	C-10 to C-11	13.1	0.11	
1,2,4-Trimethylbenzene	522	4.5	C-11 to C-12	85.8	0.74	
n-Decane	9.0	0.08				
1,2,3-Trimethylbenzene	2.1	0.02				
n-Butylbenzene	0.72	0.01				
n-Undecane	5.7	0.05				

Log # 6759			Sample Name: M28, 1-1		Sample Date: 3/21/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	49.6	0.46	<C-6	188	1.7	
Benzene	10.8	0.10	C-6 to C-7	854	7.9	
Ethylbenzene	26.1	0.24	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	410	3.8	C-8 to C-9	31.2	0.29	
n-Decane	9.8	0.09	C-9 to C-10	473	4.4	
1,2,3-Trimethylbenzene	4.0	0.04	C-10 to C-11	17.1	0.16	
n-Undecane	14.8	0.14	C-11 to C-12	371	3.4	
Naphthalene	109	1.0				

Log # 6760			Sample Name: M34, 3-3		Sample Date: 3/21/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	51.7	0.86	<C-6	661	11.0	
Benzene	10.1	0.17	C-6 to C-7	1,036	17.3	
Ethylbenzene	40.1	0.67	C-7 to C-8	0.0	0.0	
1,3,5-Trimethylbenzene	4.7	0.08	C-8 to C-9	47.9	0.80	
1,2,4-Trimethylbenzene	624	10.4	C-9 to C-10	725.8	12.1	
n-Decane	12.5	0.21	C-10 to C-11	25.5	0.43	
1,2,3-Trimethylbenzene	7.0	0.12	C-11 to C-12	44.4	0.74	
n-Undecane	4.9	0.08				
Naphthalene	11.3	0.19				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6761			Sample Name: M34, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	156	3.9	<C-6	313	7.9	
2,4-Dimethylpentane	67.7	1.7	C-6 to C-7	373	9.4	
Benzene	2.1	0.05	C-7 to C-8	48.0	1.2	
n-Heptane	7.7	0.19	C-8 to C-9	101	2.6	
Toluene	21.6	0.55	C-9 to C-10	649	16.4	
n-Octane	5.4	0.14	C-10 to C-11	45.0	1.1	
Ethylbenzene	6.3	0.16	C-11 to C-12	41.5	1.0	
p-Xylene	57.9	1.5				
Nonane	4.4	0.11				
n-Propylbenzene	2.2	0.06				
1,3,5-Trimethylbenzene	5.8	0.15				
1,2,4-Trimethylbenzene	552	13.9				
n-Decane	11.8	0.30				
1,2,3-Trimethylbenzene	22.6	0.57				
n-Undecane	7.8	0.20				

Log # 6762			Sample Name: M34, 2-1		Sample Date: 3/21/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	54.0	1.3	<C-6	115	2.8	
Benzene	12.0	0.29	C-6 to C-7	556	13.4	
Toluene	7.6	0.18	C-7 to C-8	10.3	0.25	
Ethylbenzene	50.8	1.2	C-8 to C-9	65.1	1.6	
Nonane	6.1	0.15	C-9 to C-10	684	16.5	
1,3,5-Trimethylbenzene	5.9	0.14	C-10 to C-11	64.1	1.5	
1,2,4-Trimethylbenzene	583	14.0	C-11 to C-12	50.3	1.2	
n-Decane	15.1	0.36				
1,2,3-Trimethylbenzene	10.1	0.24				
n-Undecane	11.7	0.28				

Log # 6763			Sample Name: M34, 1-4		Sample Date: 3/21/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	30.9	0.71	<C-6	588	13.4	
Benzene	4.9	0.11	C-6 to C-7	1,098	25.1	
n-Octane	5.4	0.12	C-7 to C-8	0.0	0.0	
p-Xylene	60.2	1.4	C-8 to C-9	79.3	1.8	
Nonane	6.6	0.15	C-9 to C-10	1,028	23.5	
1,3,5-Trimethylbenzene	9.1	0.21	C-10 to C-11	40.3	0.92	
1,2,4-Trimethylbenzene	877	20.0	C-11 to C-12	44.1	1.0	
n-Decane	23.0	0.52				
1,2,3-Trimethylbenzene	10.8	0.25				
n-Undecane	16.2	0.37				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6764 *			Sample Name: M34, 1-3		Sample Date: 3/21/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	3.0	0.06	<C-6	0.0	0.0	
1,2,4-Trimethylbenzene	7.3	0.15	C-6 to C-7	2.6	0.06	
n-Decane	1.5	0.03	C-7 to C-8	0.0	0.0	
n-Undecane	0.84	0.02	C-8 to C-9	0.0	0.0	
			C-9 to C-10	8.4	0.18	
			C-10 to C-11	1.3	0.03	
			C-11 to C-12	1.1	0.02	

Log # 6765			Sample Name: M34, 1-2		Sample Date: 3/21/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	83.8	2.5	<C-6	1,016	29.7	
Benzene	19.4	0.57	C-6 to C-7	1,204	35.2	
n-Heptane	41.2	1.2	C-7 to C-8	62.0	1.8	
Toluene	2.5	0.07	C-8 to C-9	217	6.3	
n-Octane	55.8	1.6	C-9 to C-10	1,541	45.0	
Ethylbenzene	6.4	0.19	C-10 to C-11	2,569	75.1	
Nonane	138	4.0	C-11 to C-12	1,286	37.6	
n-Propylbenzene	39.3	1.1				
1,3,5-Trimethylbenzene	247	7.2				
1,2,4-Trimethylbenzene	769	22.5				
n-Decane	671	19.6				
1,2,3-Trimethylbenzene	251	7.3				
n-Butylbenzene	278	8.1				
n-Undecane	547	16.0				
Naphthalene	10.7	0.31				

Log # 6766			Sample Name: M14, 3-3		Sample Date: 3/21/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	128	1.3	<C-6	0.0	0.0	
Ethylbenzene	17.7	0.18	C-6 to C-7	114	1.2	
1,2,4-Trimethylbenzene	193	2.0	C-7 to C-8	0.0	0.0	
n-Decane	9.6	0.10	C-8 to C-9	21.2	0.22	
n-Undecane	7.3	0.08	C-9 to C-10	223	2.3	
			C-10 to C-11	13.5	0.14	
			C-11 to C-12	20.1	0.21	

\* This compound had no solvent peak. Results may be questionable!

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Log # 6767			Sample Name: M14, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	36.9	0.52	<C-6	0.0	0.0	
2,4-Dimethylpentane	82.0	1.1	C-6 to C-7	102	1.4	
Ethylbenzene	5.5	0.08	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	51.3	0.72	C-8 to C-9	6.6	0.09	
n-Decane	2.8	0.04	C-9 to C-10	59.2	0.83	
n-Undecane	1.4	0.02	C-10 to C-11	4.0	0.06	
			C-11 to C-12	1.9	0.03	

Log # 6768			Sample Name: M14, 1-3		Sample Date: 3/21/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	23.5	0.34	<C-6	0.0	0.0	
Ethylbenzene	2.0	0.03	C-6 to C-7	68.1	0.99	
1,2,4-Trimethylbenzene	25.9	0.38	C-7 to C-8	0.0	0.0	
n-Decane	0.6	0.01	C-8 to C-9	2.4	0.04	
			C-9 to C-10	29.9	0.43	
			C-10 to C-11	0.50	0.01	
			C-11 to C-12	0.0	0.0	

Log # 6769			Sample Name: M14, 1-2		Sample Date: 3/21/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	49.3	1.7	<C-6	24.6	0.84	
Benzene	13.2	0.45	C-6 to C-7	282	9.6	
Toluene	0.9	0.03	C-7 to C-8	1.2	0.04	
p-Xylene	39.2	1.3	C-8 to C-9	49.0	1.7	
Norane	5.5	0.19	C-9 to C-10	730	24.9	
1,3,5-Trimethylbenzene	10.8	0.37	C-10 to C-11	87.9	3.0	
1,2,4-Trimethylbenzene	618	21.1	C-11 to C-12	60.9	2.1	
n-Decane	32.5	1.1				
1,2,3-Trimethylbenzene	9.0	0.31				
n-Butylbenzene	13.0	0.44				
n-Undecane	33.7	1.1				

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Log # 6770			Sample Name: M22, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	35.8	0.88	<C-6	51.2	1.3	
n-Hexane	6.6	0.16	C-6 to C-7	82.1	2.0	
2,4-Dimethylpentane	54.1	1.3	C-7 to C-8	12.3	0.30	
Benzene	10.5	0.26	C-8 to C-9	47.6	1.2	
Toluene	9.1	0.22	C-9 to C-10	396	9.8	
n-Octane	6.5	0.16	C-10 to C-11	141.1	3.5	
Ethylbenzene	1.5	0.04	C-11 to C-12	21.6	0.53	
Nonane	10.0	0.25				
1,3,5-Trimethylbenzene	5.0	0.12				
1,2,4-Trimethylbenzene	332	8.2				
n-Decane	26.5	0.65				
1,2,3-Trimethylbenzene	100	2.5				
n-Butylbenzene	4.3	0.11				
n-Undecane	12.9	0.32				
Naphthalene	2.2	0.05				

Log # 6771			Sample Name: M19, 4-3		Sample Date: 3/21/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	48.6	1.0	<C-6	50.4	1.1	
n-Hexane	23.8	0.50	C-6 to C-7	97.7	2.1	
2,4-Dimethylpentane	42.8	0.91	C-7 to C-8	58.0	1.2	
Benzene	3.3	0.07	C-8 to C-9	98.1	2.1	
n-Heptane	25.2	0.53	C-9 to C-10	640	13.5	
Toluene	9.8	0.21	C-10 to C-11	158	3.3	
n-Octane	30.5	0.65	C-11 to C-12	118	2.5	
Ethylbenzene	1.7	0.04				
Nonane	32.4	0.68				
n-Propylbenzene	7.5	0.16				
1,3,5-Trimethylbenzene	16.1	0.34				
1,2,4-Trimethylbenzene	501	10.6				
n-Decane	54.9	1.2				
1,2,3-Trimethylbenzene	21.3	0.45				
n-Undecane	39.9	0.84				

Log # 6772			Sample Name: M19, 4-2		Sample Date: 3/21/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	2.4	0.03	<C-6	0.0	0.0	
2,4-Dimethylpentane	60.8	0.73	C-6 to C-7	68.9	0.83	
Benzene	9.4	0.11	C-7 to C-8	0.0	0.0	
Ethylbenzene	41.3	0.50	C-8 to C-9	49.3	0.59	
1,3,5-Trimethylbenzene	5.5	0.07	C-9 to C-10	770	9.3	
1,2,4-Trimethylbenzene	661	8.0	C-10 to C-11	24.2	0.29	
n-Decane	14.8	0.18	C-11 to C-12	7.2	0.09	
1,2,3-Trimethylbenzene	6.4	0.08				
n-Undecane	5.5	0.07				



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Log # 6773			Sample Name: M19, 4-1		Sample Date: 3/21/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	6.3	0.08	<C-6	0.0	0.0	
2,4-Dimethylpentane	41.0	0.51	C-6 to C-7	57.6	0.71	
Toluene	3.2	0.04	C-7 to C-8	4.4	0.05	
p-Xylene	26.8	0.33	C-8 to C-9	33.6	0.41	
1,3,5-Trimethylbenzene	3.0	0.04	C-9 to C-10	487	6.0	
1,2,4-Trimethylbenzene	419	5.2	C-10 to C-11	18.7	0.23	
n-Decane	11.2	0.14	C-11 to C-12	11.0	0.14	
1,2,3-Trimethylbenzene	5.2	0.06				
n-Undecane	7.2	0.09				

Log # 6774			Sample Name: M19, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.4	0.09	<C-6	0.0	0.0	
2,4-Dimethylpentane	35.0	0.57	C-6 to C-7	82.2	1.3	
Benzene	10.2	0.17	C-7 to C-8	15.5	0.25	
n-Heptane	3.3	0.05	C-8 to C-9	36.6	0.59	
Toluene	2.6	0.04	C-9 to C-10	424	6.9	
n-Octane	4.3	0.07	C-10 to C-11	33.5	0.54	
Ethylbenzene	26.0	0.42	C-11 to C-12	22.1	0.36	
Nonane	5.2	0.08				
1,2,4-Trimethylbenzene	364	5.9				
n-Decane	14.7	0.24				
1,2,3-Trimethylbenzene	8.9	0.14				
n-Undecane	14.1	0.23				

Log # 6775			Sample Name: M19, 2-2		Sample Date: 3/21/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	8.7	0.20	<C-6	16.6	0.39	
2,4-Dimethylpentane	73.1	1.7	C-6 to C-7	151	3.6	
n-Heptane	6.9	0.16	C-7 to C-8	13.0	0.31	
Toluene	1.2	0.03	C-8 to C-9	32.1	0.76	
n-Octane	5.6	0.13	C-9 to C-10	375	8.9	
Ethylbenzene	23.4	0.55	C-10 to C-11	21.0	0.50	
1,2,4-Trimethylbenzene	325	7.7	C-11 to C-12	17.9	0.42	
n-Decane	12.5	0.30				
1,2,3-Trimethylbenzene	6.8	0.16				
n-Undecane	11.0	0.26				

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Log # 6776			Sample Name: M24, 3-4		Sample Date: 3/21/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	6.0	0.07	<C-6	0.0	0.0	
2,4-Dimethylpentane	13.0	0.16	C-6 to C-7	29.8	0.36	
Benzene	3.0	0.04	C-7 to C-8	2.0	0.02	
Toluene	1.5	0.02	C-8 to C-9	37.1	0.45	
Ethylbenzene	31.1	0.37	C-9 to C-10	546	6.6	
1,3,5-Trimethylbenzene	0.88	0.01	C-10 to C-11	0.0	0.00	
1,2,4-Trimethylbenzene	472	5.7	C-11 to C-12	14.8	0.18	
n-Undecane	2.9	0.03				

Log # 6777			Sample Name: M24, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	50.9	1.2	<C-6	65.4	1.6	
n-Hexane	3.1	0.08	C-6 to C-7	349	8.5	
2,4-Dimethylpentane	35.9	0.87	C-7 to C-8	0.0	0.0	
Benzene	1.3	0.03	C-8 to C-9	19.6	0.48	
Ethylbenzene	16.5	0.40	C-9 to C-10	239	5.8	
1,2,4-Trimethylbenzene	207	5.0	C-10 to C-11	10.6	0.26	
n-Decane	6.4	0.16	C-11 to C-12	26.1	0.63	
1,2,3-Trimethylbenzene	4.9	0.12				
n-Undecane	7.8	0.19				

Log # 6778			Sample Name: M33, 4-3		Sample Date: 3/20/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	8.1	0.11	<C-6	0.0	0.0	
2,4-Dimethylpentane	46.3	0.65	C-6 to C-7	71.6	1.0	
Benzene	6.7	0.09	C-7 to C-8	20.3	0.29	
n-Heptane	2.8	0.04	C-8 to C-9	59.5	0.84	
Toluene	12.4	0.17	C-9 to C-10	514	7.3	
n-Octane	4.0	0.06	C-10 to C-11	29.6	0.42	
Ethylbenzene	1.7	0.02	C-11 to C-12	21.2	0.30	
Nonane	6.5	0.09				
n-Propylbenzene	6.0	0.08				
1,3,5-Trimethylbenzene	3.1	0.04				
1,2,4-Trimethylbenzene	432	6.1				
n-Decane	17.4	0.24				
1,2,3-Trimethylbenzene	6.5	0.09				
n-Butylbenzene	6.5	0.09				
n-Undecane	16.2	0.23				

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Log # 6779			Sample Name: M33, 4-2		Sample Date: 3/20/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.9	0.06	<C-6	0.0	0.0	
2,4-Dimethylpentane	47.6	0.47	C-6 to C-7	60.5	0.60	
Benzene	3.9	0.04	C-7 to C-8	0.0	0.0	
Ethylbenzene	15.5	0.15	C-8 to C-9	18.5	0.18	
1,3,5-Trimethylbenzene	8.1	0.08	C-9 to C-10	322	3.2	
1,2,4-Trimethylbenzene	266	2.6	C-10 to C-11	114	1.1	
n-Decane	23.6	0.23	C-11 to C-12	328	3.3	
n-Butylbenzene	18.9	0.19				
n-Undecane	113	1.1				

Log # 6780			Sample Name: M33, 4-1		Sample Date: 3/20/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.7	0.06	<C-6	0.0	0.0	
2,4-Dimethylpentane	55.0	0.58	C-6 to C-7	67.6	0.71	
Benzene	4.1	0.04	C-7 to C-8	2.2	0.02	
Toluene	1.6	0.02	C-8 to C-9	29.3	0.31	
Ethylbenzene	24.5	0.26	C-9 to C-10	420	4.4	
1,2,4-Trimethylbenzene	364	3.8	C-10 to C-11	11.7	0.12	
n-Decane	8.0	0.08	C-11 to C-12	25.2	0.26	
1,2,3-Trimethylbenzene	2.6	0.03				
n-Undecane	8.4	0.09				

Log # 6781			Sample Name: M33, 2-3		Sample Date: 3/20/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	8.0	0.10	<C-6	0.0	0.0	
2,4-Dimethylpentane	53.3	0.64	C-6 to C-7	91.5	1.1	
Benzene	2.2	0.03	C-7 to C-8	35.6	0.43	
n-Heptane	6.1	0.07	C-8 to C-9	82.3	0.99	
Toluene	3.1	0.04	C-9 to C-10	762	9.2	
n-Octane	5.3	0.06	C-10 to C-11	86.0	1.0	
Ethylbenzene	60.0	0.72	C-11 to C-12	96.7	1.2	
1,3,5-Trimethylbenzene	12.5	0.15				
1,2,4-Trimethylbenzene	638	7.7				
n-Decane	20.9	0.25				
1,2,3-Trimethylbenzene	17.4	0.21				
n-Butylbenzene	16.5	0.20				
n-Undecane	33.7	0.41				

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Log # 6782			Sample Name: M33, 2-2 Depth (ft): 5.0 to 5.5		Sample Date: 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	49.4	0.99	<C-6	61.8	1.2	
2,4-Dimethylpentane	47.3	0.94	C-6 to C-7	383	7.7	
Benzene	2.9	0.06	C-7 to C-8	87.1	1.7	
n-Heptane	34.1	0.68	C-8 to C-9	79.7	1.6	
Toluene	9.1	0.18	C-9 to C-10	745	14.9	
n-Octane	18.7	0.37	C-10 to C-11	19.9	0.40	
Ethylbenzene	47.5	0.95	C-11 to C-12	24.8	0.49	
Nonane	5.1	0.10				
1,3,5-Trimethylbenzene	6.3	0.13				
1,2,4-Trimethylbenzene	635	12.7				
n-Decane	12.4	0.25				
1,2,3-Trimethylbenzene	5.7	0.11				
n-Undecane	6.4	0.13				

Log # 6783			Sample Name: M33, 1-2 Depth (ft): 7.0 to 7.5		Sample Date: 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.4	0.12	<C-6	0.0	0.0	
2,4-Dimethylpentane	47.6	1.1	C-6 to C-7	123	2.8	
Benzene	2.3	0.05	C-7 to C-8	782	18.1	
n-Heptane	0.05	0.0	C-8 to C-9	2,094	48.5	
Toluene	145	3.4	C-9 to C-10	3,733	86.5	
n-Octane	195	4.5	C-10 to C-11	3,842	89.0	
Ethylbenzene	148	3.4	C-11 to C-12	6,159	143	
p-Xylene	136	3.1				
Nonane	241	5.6				
n-Propylbenzene	305	7.1				
1,3,5-Trimethylbenzene	622	14.4				
1,2,4-Trimethylbenzene	1,178	27.3				
n-Decane	302	7.0				
1,2,3-Trimethylbenzene	371	8.6				
n-Butylbenzene	269	6.2				
n-Undecane	732	17.0				

Log # 6784			Sample Name: M33, 1-1 Depth (ft): 7.5 to 8.0		Sample Date: 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	6.1	0.14	<C-6	0.0	0.0	
2,4-Dimethylpentane	54.5	1.2	C-6 to C-7	367	8.1	
Benzene	0.4	0.01	C-7 to C-8	2,856	63.2	
n-Heptane	19.7	0.44	C-8 to C-9	5,105	113	
Toluene	455	10.1	C-9 to C-10	7,095	157	
n-Octane	219	4.8	C-10 to C-11	6,535	145	
Ethylbenzene	396	8.8	C-11 to C-12	7,779	172	
p-Xylene	356	7.9				
Nonane	621	13.7				
n-Propylbenzene	645	14.3				
1,3,5-Trimethylbenzene	1,194	26.4				
1,2,4-Trimethylbenzene	1,832	40.5				
n-Decane	594	13.1				
1,2,3-Trimethylbenzene	698	15.4				
n-Butylbenzene	622	13.8				
n-Undecane	1,226	27.1				

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Log # 6785			Sample Name: M32, 3-2		Sample Date: 3/20/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.9	0.06	<C-6	0.0	0.0	
2,4-Dimethylpentane	71.1	1.0	C-6 to C-7	75.9	1.1	
Benzene	5.7	0.08	C-7 to C-8	0.0	0.0	
p-Xylene	44.8	0.65	C-8 to C-9	69.2	1.0	
1,3,5-Trimethylbenzene	22.0	0.32	C-9 to C-10	802	11.6	
1,2,4-Trimethylbenzene	665	9.7	C-10 to C-11	92.4	1.3	
n-Decane	13.9	0.20	C-11 to C-12	206	3.0	
1,2,3-Trimethylbenzene	9.7	0.14				
n-Butylbenzene	19.6	0.28				
n-Undecane	52.6	0.76				

Log # 6786			Sample Name: M32, 3-1		Sample Date: 3/20/95	
			Depth (ft): 3.5 to 4.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	1.3	0.04	<C-6	0.0	0.0	
2,4-Dimethylpentane	57.8	1.5	C-6 to C-7	59.2	1.6	
Benzene	5.0	0.13	C-7 to C-8	0.0	0.0	
p-Xylene	81.0	2.1	C-8 to C-9	58.6	1.5	
1,3,5-Trimethylbenzene	8.8	0.23	C-9 to C-10	895	23.6	
1,2,4-Trimethylbenzene	763	20.2	C-10 to C-11	24.2	0.64	
n-Decane	10.2	0.27	C-11 to C-12	31.1	0.82	
1,2,3-Trimethylbenzene	6.1	0.16				
n-Butylbenzene	2.4	0.06				
n-Undecane	3.4	0.09				

Log # 6787			Sample Name: M32, 2-1		Sample Date: 3/20/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	232	4.1	<C-6	0.0	0.0	
p-Xylene	32.8	0.58	C-6 to C-7	252	4.4	
1,3,5-Trimethylbenzene	0.16	0.0	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	536	9.5	C-8 to C-9	41.0	0.72	
			C-9 to C-10	619	10.9	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	16.8	0.30	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6788

Sample Name: M32, 1-3

Sample Date: 3/20/95

Depth (ft): 6.5 to 7.0

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	130	1.8	<C-6	0.0	0.0
Toluene	5.2	0.07	C-6 to C-7	116	1.6
p-Xylene	32.2	0.45	C-7 to C-8	7.1	0.10
1,3,5-Trimethylbenzene	5.3	0.07	C-8 to C-9	40.3	0.57
1,2,4-Trimethylbenzene	535	7.5	C-9 to C-10	624	8.8
n-Decane	8.6	0.12	C-10 to C-11	26.4	0.37
1,2,3-Trimethylbenzene	5.6	0.08	C-11 to C-12	8.8	0.12
n-Undecane	4.3	0.06			

Log # 6789

Sample Name: M32, 1-2

Sample Date: 3/20/95

Depth (ft): 7.0 to 7.5

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	16.9	0.27	<C-6	0.0	0.0
Toluene	0.9	0.01	C-6 to C-7	50.9	0.82
p-Xylene	34.5	0.56	C-7 to C-8	1.2	0.02
1,3,5-Trimethylbenzene	0.6	0.01	C-8 to C-9	43.2	0.70
1,2,4-Trimethylbenzene	578	9.3	C-9 to C-10	668	10.7
			C-10 to C-11	0.0	0.0
			C-11 to C-12	0.0	0.0

Log # 6790

Sample Name: M32, 1-1

Sample Date: 3/20/95

Depth (ft): 7.5 to 8.0

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	24.3	0.38	<C-6	0.0	0.0
2,4-Dimethylpentane	53.6	0.83	C-6 to C-7	67.7	1.1
Toluene	4.6	0.07	C-7 to C-8	6.2	0.10
p-Xylene	30.8	0.48	C-8 to C-9	38.6	0.60
1,3,5-Trimethylbenzene	0.5	0.01	C-9 to C-10	548	8.5
1,2,4-Trimethylbenzene	474	7.4	C-10 to C-11	0.0	0.0
			C-11 to C-12	1.9	0.03

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6791			Sample Name: M31, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	58.1	1.3	<C-6	0.0	0.0	
2,4-Dimethylpentane	109	2.5	C-6 to C-7	143	3.2	
n-Heptane	9.3	0.21	C-7 to C-8	12.2	0.28	
Toluene	3.5	0.08	C-8 to C-9	212	4.8	
n-Octane	15.1	0.34	C-9 to C-10	2,250	51.0	
p-Xylene	160	3.6	C-10 to C-11	36.4	0.83	
1,3,5-Trimethylbenzene	2.6	0.06	C-11 to C-12	0.0	0.0	
1,2,4-Trimethylbenzene	1,936	43.9				
n-Decane	23.2	0.53				
1,2,3-Trimethylbenzene	15.8	0.36				

Log # 6792			Sample Name: M31, 4-3		Sample Date: 3/20/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	148	4.0	<C-6	0.0	0.0	
2,4-Dimethylpentane	218	5.8	C-6 to C-7	340	9.1	
Toluene	0.54	0.01	C-7 to C-8	3.0	0.08	
p-Xylene	148	4.0	C-8 to C-9	185	4.9	
1,3,5-Trimethylbenzene	0.45	0.01	C-9 to C-10	2,105	56.3	
1,2,4-Trimethylbenzene	1,822	48.7	C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	

Log # 6793			Sample Name: M31, 4-2		Sample Date: 3/20/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	68.9	1.7	<C-6	0.0	0.0	
p-Xylene	139	3.5	C-6 to C-7	60.7	1.5	
1,3,5-Trimethylbenzene	0.8	0.02	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	1,824	45.8	C-8 to C-9	174	4.4	
			C-9 to C-10	2,108	52.9	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6794

Sample Name: M31, 2-4  
Depth (ft): 4.0 to 4.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	109	1.6	<C-6	0.0	0.0
p-Xylene	106	1.5	C-6 to C-7	96.2	1.4
1,3,5-Trimethylbenzene	0.38	0.01	C-7 to C-8	0.0	0.0
1,2,4-Trimethylbenzene	1,399	20.3	C-8 to C-9	133	1.9
n-Undecane	2.4	0.03	C-9 to C-10	1,616	23.5
			C-10 to C-11	0.0	0.0
			C-11 to C-12	3.1	0.05

Log # 6795

Sample Name: M31, 2-2  
Depth (ft): 5.0 to 5.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	102	1.8	<C-6	0.0	0.0
Toluene	0.88	0.02	C-6 to C-7	90.9	1.6
p-Xylene	116	2.0	C-7 to C-8	1.2	0.02
1,3,5-Trimethylbenzene	4.4	0.08	C-8 to C-9	145	2.5
1,2,4-Trimethylbenzene	1,531	26.9	C-9 to C-10	1,776	31.2
			C-10 to C-11	0.0	0.0
			C-11 to C-12	0.0	0.0

Log # 6796

Sample Name: M31, 2-1  
Depth (ft): 5.5 to 6.0

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	44.5	0.51	<C-6	0.0	0.0
2,4-Dimethylpentane	57.5	0.66	C-6 to C-7	86.8	0.99
p-Xylene	129	1.5	C-7 to C-8	0.0	0.0
1,3,5-Trimethylbenzene	2.3	0.03	C-8 to C-9	161	1.8
1,2,4-Trimethylbenzene	1,759	20.1	C-9 to C-10	2,044	23.4
n-Decane	20.5	0.23	C-10 to C-11	32.1	0.37
1,2,3-Trimethylbenzene	13.9	0.16	C-11 to C-12	3.7	0.04
n-Undecane	2.8	0.03			



FEW AFB Soil Methanol Extract  
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Log # 6797			Sample Name: M31, 1-2		Sample Date: 3/20/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	104	2.1	<C-6	0.0	0.0	
p-Xylene	96.9	2.0	C-6 to C-7	92.0	1.9	
1,3,5-Trimethylbenzene	1.9	0.04	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	1,334	27.1	C-8 to C-9	121	2.5	
n-Decane	17.1	0.35	C-9 to C-10	1,551	31.6	
1,2,3-Trimethylbenzene	11.2	0.23	C-10 to C-11	26.4	0.54	
n-Undecane	3.6	0.07	C-11 to C-12	5.6	0.11	
Naphthalene	1.8	0.04				

Log # 6798			Sample Name: M31, 1-1		Sample Date: 3/20/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	105	1.6	<C-6	0.0	0.0	
p-Xylene	79.9	1.2	C-6 to C-7	92.9	1.4	
1,3,5-Trimethylbenzene	0.23	0.0	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	1,073	16.7	C-8 to C-9	100	1.6	
n-Undecane	2.9	0.05	C-9 to C-10	1,240	19.3	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	3.8	0.06	

Log # 6799			Sample Name: M10, 3-3		Sample Date: 3/20/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	53.2	1.5	<C-6	0.0	0.0	
2,4-Dimethylpentane	94.3	2.6	C-6 to C-7	141	3.9	
Benzene	10.0	0.28	C-7 to C-8	9.3	0.26	
n-Heptane	5.3	0.15	C-8 to C-9	143	4.0	
Toluene	3.7	0.10	C-9 to C-10	1,805	50.1	
p-Xylene	114	3.2	C-10 to C-11	32.9	0.91	
1,3,5-Trimethylbenzene	11.6	0.32	C-11 to C-12	0.0	0.0	
1,2,4-Trimethylbenzene	1,552	43.0				
n-Decane	21.5	0.60				
1,2,3-Trimethylbenzene	13.8	0.38				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6800			Sample Name: M10, 3-1 Depth (ft): 3.5 to 4.0		Sample Date: 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	130	3.1	<C-6	0.0	0.0
2,4-Dimethylpentane	112	2.7	C-6 to C-7	206	5.0
n-Heptane	4.7	0.11	C-7 to C-8	11.9	0.29
Toluene	6.0	0.15	C-8 to C-9	86.2	2.1
p-Xylene	68.9	1.7	C-9 to C-10	1,058	25.5
1,3,5-Trimethylbenzene	1.6	0.04	C-10 to C-11	35.9	0.87
1,2,4-Trimethylbenzene	909	21.9	C-11 to C-12	12.6	0.30
n-Decane	19.8	0.48			
1,2,3-Trimethylbenzene	11.9	0.29			
n-Undecane	9.6	0.23			

Log # 6801			Sample Name: M10, 1-3 Depth (ft): 6.5 to 7.0		Sample Date: 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	55.3	0.78	<C-6	73.6	1.0
n-Hexane	6.3	0.09	C-6 to C-7	185	2.6
2,4-Dimethylpentane	113	1.6	C-7 to C-8	77.8	1.1
Benzene	11.1	0.16	C-8 to C-9	183	2.6
Toluene	41.1	0.58	C-9 to C-10	1,423	20.0
n-Octane	7.8	0.11	C-10 to C-11	88.0	1.2
Ethylbenzene	7.9	0.11	C-11 to C-12	45.4	0.64
p-Xylene	114	1.6			
Nonane	11.8	0.17			
1,3,5-Trimethylbenzene	12.3	0.17			
1,2,4-Trimethylbenzene	1,204	17.0			
n-Decane	31.7	0.45			
1,2,3-Trimethylbenzene	38.9	0.55			
n-Butylbenzene	5.6	0.08			
n-Undecane	25.4	0.36			

Log # 6802			Sample Name: M10, 1-2 Depth (ft): 7.0 to 7.5		Sample Date: 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	282	5.6	<C-6	506	10.1
2,4-Dimethylpentane	128	2.6	C-6 to C-7	211	4.2
Benzene	0.9	0.02	C-7 to C-8	120	2.4
n-Heptane	8.5	0.17	C-8 to C-9	290	5.8
Toluene	39.5	0.79	C-9 to C-10	2,135	42.7
n-Octane	11.3	0.23	C-10 to C-11	84.1	1.7
Ethylbenzene	16.0	0.32	C-11 to C-12	41.5	0.83
p-Xylene	180	3.6			
Nonane	5.6	0.11			
n-Propylbenzene	8.6	0.17			
1,3,5-Trimethylbenzene	4.2	0.08			
1,2,4-Trimethylbenzene	1,818	36.3			
n-Decane	23.5	0.47			
1,2,3-Trimethylbenzene	54.5	1.1			
n-Undecane	16.0	0.32			

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6803			Sample Name: M10, 1-1		Sample Date: 3/20/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	101	1.1	<C-6	0.0	0.0	
Toluene	1.1	0.01	C-6 to C-7	89.2	0.96	
p-Xylene	135	1.5	C-7 to C-8	1.5	0.02	
1,3,5-Trimethylbenzene	1.4	0.02	C-8 to C-9	169	1.8	
1,2,4-Trimethylbenzene	1,833	19.8	C-9 to C-10	2,121	22.9	
n-Undecane	3.8	0.04	C-10 to C-11	0.0	0.0	
			C-11 to C-12	4.9	0.05	

Log # 6804			Sample Name: M11, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	104	0.98	<C-6	0.0	0.0	
p-Xylene	112	1.1	C-6 to C-7	91.3	0.87	
1,3,5-Trimethylbenzene	2.8	0.03	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	1,568	14.9	C-8 to C-9	140	1.3	
n-Decane	20.9	0.20	C-9 to C-10	1,824	17.3	
1,2,3-Trimethylbenzene	13.5	0.13	C-10 to C-11	34.0	0.32	
n-Undecane	4.2	0.04	C-11 to C-12	5.5	0.05	

Log # 6805			Sample Name: M11, 4-3		Sample Date: 3/20/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	107	1.3	<C-6	0.0	0.0	
Toluene	1.1	0.01	C-6 to C-7	96.6	1.2	
p-Xylene	109	1.3	C-7 to C-8	1.5	0.02	
1,3,5-Trimethylbenzene	2.3	0.03	C-8 to C-9	136	1.6	
1,2,4-Trimethylbenzene	1,539	18.6	C-9 to C-10	1,789	21.7	
n-Decane	19.0	0.23	C-10 to C-11	29.6	0.36	
1,2,3-Trimethylbenzene	12.7	0.15	C-11 to C-12	5.6	0.07	
n-Undecane	4.3	0.05				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6806			Sample Name: M11, 4-2		Sample Date: 3/20/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	39.1	0.38	<C-6	0.0	0.0	
2,4-Dimethylpentane	66.1	0.65	C-6 to C-7	110	1.1	
Toluene	8.5	0.08	C-7 to C-8	11.6	0.11	
p-Xylene	102	1.0	C-8 to C-9	156	1.5	
1,3,5-Trimethylbenzene	19.1	0.19	C-9 to C-10	1,301	12.8	
1,2,4-Trimethylbenzene	1,082	10.6	C-10 to C-11	116	1.1	
n-Decane	16.4	0.16	C-11 to C-12	75.8	0.74	
1,2,3-Trimethylbenzene	40.8	0.40				
n-Butylbenzene	24.4	0.24				
n-Undecane	13.6	0.13				
Naphthalene	13.5	0.13				

Log # 6807			Sample Name: M11, 3-4		Sample Date: 3/20/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	65.3	0.66	<C-6	0.0	0.0	
Toluene	0.43	0.0	C-6 to C-7	66.7	0.67	
p-Xylene	95.6	0.97	C-7 to C-8	0.6	0.01	
1,3,5-Trimethylbenzene	2.7	0.03	C-8 to C-9	120	1.2	
1,2,4-Trimethylbenzene	1,325	13.4	C-9 to C-10	1,541	15.6	
1,2,3-Trimethylbenzene	27.5	0.28	C-10 to C-11	36.6	0.37	
n-Butylbenzene	3.9	0.04	C-11 to C-12	25.2	0.25	
n-Undecane	6.7	0.07				

Log # 6808			Sample Name: M11, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	95.5	1.0	<C-6	0.0	0.0	
Toluene	1.0	0.01	C-6 to C-7	54.9	0.58	
p-Xylene	114	1.2	C-7 to C-8	1.4	0.01	
1,3,5-Trimethylbenzene	1.9	0.02	C-8 to C-9	143	1.5	
1,2,4-Trimethylbenzene	1,585	16.7	C-9 to C-10	1,832	19.3	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6809*			Sample Name: M11, 2-1		Sample Date: 3/20/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
No Data Available			<C-6			
			C-6 to C-7			
			C-7 to C-8			
			C-8 to C-9			
			C-9 to C-10			
			C-10 to C-11			
			C-11 to C-12			

Log # 6810			Sample Name: M11, 1-4		Sample Date: 3/20/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	37.2	0.32	<C-6	0.0	0.0	
2,4-Dimethylpentane	62.1	0.53	C-6 to C-7	98.3	0.84	
n-Heptane	0.73	0.01	C-7 to C-8	5.5	0.05	
Toluene	3.6	0.03	C-8 to C-9	151	1.3	
p-Xylene	121	1.0	C-9 to C-10	1,929	16.4	
1,3,5-Trimethylbenzene	5.3	0.05	C-10 to C-11	45.8	0.39	
1,2,4-Trimethylbenzene	1,656	14.1	C-11 to C-12	33.6	0.29	
1,2,3-Trimethylbenzene	34.4	0.29				
n-Butylbenzene	4.4	0.04				
n-Undecane	6.6	0.06				

Log # 6811			Sample Name: M12, 3-3		Sample Date: 3/20/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	105	1.3	<C-6	0.0	0.0	
Toluene	12.2	0.15	C-6 to C-7	92.6	1.2	
p-Xylene	104	1.3	C-7 to C-8	16.6	0.21	
1,3,5-Trimethylbenzene	0.38	0.0	C-8 to C-9	130	1.6	
1,2,4-Trimethylbenzene	1,436	17.8	C-9 to C-10	1,659	20.6	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6812

Sample Name: M12, 1-3

Sample Date: 3/20/95

Depth (ft): 6.5 to 7.0

Compound	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	2.9	0.06
p-Xylene	94.7	1.9
1,3,5-Trimethylbenzene	0.73	0.01
1,2,4-Trimethylbenzene	1,306	25.7

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	430	8.5
C-6 to C-7	169	3.3
C-7 to C-8	0.0	0.0
C-8 to C-9	118	2.3
C-9 to C-10	1,508	29.7
C-10 to C-11	2.0	0.04
C-11 to C-12	0.0	0.0

Log # 6813

Sample Name: M13, 4-2

Sample Date: 3/20/95

Depth (ft): 1.0 to 1.5

Compound	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	44.6	0.41
2,4-Dimethylpentane	107	0.98
Toluene	5.2	0.05
p-Xylene	52.9	0.49
1,3,5-Trimethylbenzene	1.6	0.01
1,2,4-Trimethylbenzene	764	7.0

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	131	1.2
C-7 to C-8	7.1	0.07
C-8 to C-9	66.1	0.61
C-9 to C-10	883	8.1
C-10 to C-11	0.0	0.0
C-11 to C-12	0.0	0.0

Log # 6814

Sample Name: M13, 4-1

Sample Date: 3/20/95

Depth (ft): 1.5 to 2.0

Compound	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	45.7	1.1
2,4-Dimethylpentane	101	2.3
n-Heptane	1.1	0.03
Toluene	4.8	0.11
p-Xylene	48.3	1.1
n-Propylbenzene	3.9	0.09
1,3,5-Trimethylbenzene	7.3	0.09
1,2,4-Trimethylbenzene	655	0.17
n-Decane	27.9	15.1
1,2,3-Trimethylbenzene	19.1	0.64
n-Butylbenzene	80.4	0.44
n-Undecane	179	1.9

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	137	3.2
C-7 to C-8	7.4	0.17
C-8 to C-9	60.4	1.4
C-9 to C-10	769	17.8
C-10 to C-11	382	8.8
C-11 to C-12	774	17.9

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6815			Sample Name: M13, 2-4 Depth (ft): 4.0 to 4.5		Sample Date: 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	61.0	0.89	<C-6	0.0	0.0	
2,4-Dimethylpentane	74.1	1.1	C-6 to C-7	156	2.3	
n-Heptane	7.3	0.11	C-7 to C-8	34.6	0.51	
Toluene	3.8	0.06	C-8 to C-9	98.1	1.4	
n-Octane	10.1	0.15	C-9 to C-10	805	11.8	
Ethylbenzene	5.4	0.08	C-10 to C-11	666	9.8	
p-Xylene	58.7	0.86	C-11 to C-12	1,206	17.7	
Nonane	12.4	0.18				
n-Propylbenzene	23.7	0.35				
1,3,5-Trimethylbenzene	11.6	0.17				
1,2,4-Trimethylbenzene	628	9.2				
n-Decane	62.8	0.92				
1,2,3-Trimethylbenzene	55.8	0.82				
n-Butylbenzene	163	2.39				
n-Undecane	233	3.4				

Log # 6816			Sample Name: M13, 2-3 Depth (ft): 4.5 to 5.0		Sample Date: 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	61.3	1.0	<C-6	71.0	1.2	
n-Hexane	35.3	0.59	C-6 to C-7	234	3.9	
2,4-Dimethylpentane	86.5	1.4	C-7 to C-8	89.4	1.5	
Benzene	14.8	0.25	C-8 to C-9	157	2.6	
n-Heptane	36.2	0.60	C-9 to C-10	900	15.0	
Toluene	30.6	0.51	C-10 to C-11	258	4.3	
n-Octane	31.5	0.52	C-11 to C-12	335	5.6	
Ethylbenzene	14.4	0.24				
p-Xylene	74.3	1.2				
Nonane	26.7	0.44				
n-Propylbenzene	3.8	0.06				
1,3,5-Trimethylbenzene	6.3	0.11				
1,2,4-Trimethylbenzene	726	12.1				
n-Decane	53.5	0.89				
1,2,3-Trimethylbenzene	34.9	0.58				
n-Butylbenzene	52.5	0.87				
n-Undecane	97.2	1.6				

Log # 6817			Sample Name: M15, 2-3 Depth (ft): 4.5 to 5.0		Sample Date: 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	56.6	0.72	<C-6	0.0	0.0	
2,4-Dimethylpentane	92.9	1.2	C-6 to C-7	140	1.8	
Benzene	8.6	0.11	C-7 to C-8	9.8	0.1	
Toluene	7.2	0.09	C-8 to C-9	157	2.0	
n-Octane	17.5	0.22	C-9 to C-10	1,250	15.9	
p-Xylene	96.9	1.2	C-10 to C-11	1,261	16.0	
Nonane	48.7	0.62	C-11 to C-12	1,325	16.9	
n-Propylbenzene	57.2	0.73				
1,3,5-Trimethylbenzene	147	1.9				
1,2,4-Trimethylbenzene	814	10.4				
n-Decane	224	2.8				
1,2,3-Trimethylbenzene	146	1.9				
n-Butylbenzene	306	3.9				
n-Undecane	493	6.3				
Naphthalene	306	3.9				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6818			Sample Name: M15, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	100	1.1	<C-6	0.0	0.0	
p-Xylene	43.7	0.49	C-6 to C-7	88.2	0.99	
1,3,5-Trimethylbenzene	6.1	0.07	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	666	7.5	C-8 to C-9	54.6	0.62	
n-Decane	16.1	0.18	C-9 to C-10	776	8.7	
1,2,3-Trimethylbenzene	7.6	0.09	C-10 to C-11	43.0	0.48	
n-Butylbenzene	6.4	0.07	C-11 to C-12	14.2	0.16	
n-Undecane	10.8	0.12				

Log # 6819			Sample Name: M16, 3-4		Sample Date: 3/20/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	51.5	1.4	<C-6	0.0	0.0	
2,4-Dimethylpentane	97.9	2.7	C-6 to C-7	525	14.3	
Benzene	10.7	0.29	C-7 to C-8	0.0	0.0	
p-Xylene	49.0	1.3	C-8 to C-9	67.7	1.8	
Nonane	6.1	0.17	C-9 to C-10	780	21.3	
1,3,5-Trimethylbenzene	6.6	0.18	C-10 to C-11	43.2	1.2	
1,2,4-Trimethylbenzene	665	18.1	C-11 to C-12	25.0	0.68	
n-Decane	20.2	0.55				
1,2,3-Trimethylbenzene	12.8	0.35				
n-Undecane	19.1	0.52				

Log # 6820			Sample Name: M16, 3-3		Sample Date: 3/20/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	85.7	2.2	<C-6	88.9	2.2	
2,4-Dimethylpentane	144	3.6	C-6 to C-7	576	14.6	
Benzene	13.1	0.33	C-7 to C-8	100	2.5	
n-Heptane	14.2	0.36	C-8 to C-9	214	5.4	
Toluene	31.5	0.80	C-9 to C-10	1,012	25.6	
n-Octane	14.2	0.36	C-10 to C-11	158	4.0	
Ethylbenzene	13.3	0.34	C-11 to C-12	113	2.9	
p-Xylene	108	2.7				
Nonane	11.2	0.28				
n-Propylbenzene	4.2	0.11				
1,3,5-Trimethylbenzene	7.8	0.20				
1,2,4-Trimethylbenzene	828	20.9				
n-Decane	28.9	0.73				
1,2,3-Trimethylbenzene	62.8	1.6				
n-Butylbenzene	14.6	0.37				
n-Undecane	38.5	0.97				
Naphthalene	13.8	0.35				



FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6821*			Sample Name: M16, 3-2		Sample Date: 3/20/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
No Data Available			<C-6			
			C-6 to C-7			
			C-7 to C-8			
			C-8 to C-9			
			C-9 to C-10			
			C-10 to C-11			
			C-11 to C-12			

Log # 6822			Sample Name: M17, 3-1		Sample Date: 3/20/95	
			Depth (ft): 3.5 to 4.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	85.5	1.3	<C-6	32.9	0.52	
Toluene	0.51	0.01	C-6 to C-7	152	2.4	
Ethylbenzene	35.1	0.55	C-7 to C-8	0.7	0.01	
1,3,5-Trimethylbenzene	0.56	0.01	C-8 to C-9	41.8	0.66	
1,2,4-Trimethylbenzene	513	8.0	C-9 to C-10	596	9.3	
n-Decane	9.0	0.14	C-10 to C-11	12.1	0.19	
1,2,3-Trimethylbenzene	4.2	0.07	C-11 to C-12	7.9	0.12	
n-Undecane	5.5	0.09				
Naphthalene	1.3	0.02				

Log # 6823			Sample Name: M17, 2-3		Sample Date: 3/20/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	36.0	0.27	<C-6	0.0	0.0	
2,4-Dimethylpentane	48.9	0.37	C-6 to C-7	73.0	0.55	
Toluene	6.9	0.05	C-7 to C-8	9.3	0.07	
Ethylbenzene	35.5	0.27	C-8 to C-9	42.4	0.32	
1,3,5-Trimethylbenzene	3.1	0.02	C-9 to C-10	604	4.6	
1,2,4-Trimethylbenzene	521	4.0	C-10 to C-11	11.7	0.09	
n-Decane	8.5	0.06	C-11 to C-12	4.9	0.04	
1,2,3-Trimethylbenzene	4.1	0.03				
n-Undecane	3.8	0.03				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6824

Sample Name: M18, 4-4  
Depth (ft): 0.0 to 0.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	38.2	0.51	<C-6	0.0	0.0
2,4-Dimethylpentane	59.3	0.80	C-6 to C-7	155	2.1
Toluene	2.4	0.03	C-7 to C-8	4.0	0.05
Ethylbenzene	48.0	0.65	C-8 to C-9	57.3	0.77
1,3,5-Trimethylbenzene	3.6	0.05	C-9 to C-10	786	10.6
1,2,4-Trimethylbenzene	678	9.1	C-10 to C-11	17.9	0.24
n-Decane	13.1	0.18	C-11 to C-12	13.9	0.19
1,2,3-Trimethylbenzene	6.3	0.09			
n-Undecane	10.6	0.14			

Log # 6825

Sample Name: M18, 3-3  
Depth (ft): 2.5 to 3.0

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	180	3.6	<C-6	186	3.8
n-Hexane	14.5	0.29	C-6 to C-7	1,454	29.5
2,4-Dimethylpentane	252	5.1	C-7 to C-8	89.3	1.8
Toluene	6.2	0.13	C-8 to C-9	122	2.5
n-Octane	21.3	0.43	C-9 to C-10	1,106	22.4
Ethylbenzene	70.2	1.4	C-10 to C-11	32.4	0.66
Nonane	4.3	0.09	C-11 to C-12	21.3	0.43
1,3,5-Trimethylbenzene	6.7	0.14			
1,2,4-Trimethylbenzene	947	19.2			
n-Decane	14.3	0.29			
1,2,3-Trimethylbenzene	19.5	0.40			
n-Undecane	16.3	0.33			

Log # 6826

Sample Name: M18, 3-2  
Depth (ft): 3.0 to 3.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	312	11.5	<C-6	554	20.4
2,4-Dimethylpentane	204	7.5	C-6 to C-7	7,289	269
Benzene	13.5	0.50	C-7 to C-8	63.6	2.3
Toluene	1.8	0.07	C-8 to C-9	163	6.0
n-Octane	85.2	3.1	C-9 to C-10	802	29.6
p-Xylene	62.1	2.3	C-10 to C-11	44.6	1.6
Nonane	48.4	1.8	C-11 to C-12	11.0	0.41
n-Propylbenzene	2.1	0.08			
1,3,5-Trimethylbenzene	12.1	0.45			
1,2,4-Trimethylbenzene	639	23.5			
n-Decane	21.4	0.79			
1,2,3-Trimethylbenzene	7.2	0.27			
n-Butylbenzene	9.8	0.36			
n-Undecane	8.4	0.31			

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6827			Sample Name: M18, 1-4		Sample Date: 3/20/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	863	11.7	<C-6	0.0	0.0	
2,4-Dimethylpentane	242	3.3	C-6 to C-7	5,276	71.3	
Benzene	24.8	0.34	C-7 to C-8	188	2.5	
Toluene	11.5	0.16	C-8 to C-9	219	3.0	
n-Octane	92.4	1.2	C-9 to C-10	911	12.3	
Ethylbenzene	83.2	1.1	C-10 to C-11	69.2	0.93	
Nonane	25.2	0.34	C-11 to C-12	33.2	0.45	
1,3,5-Trimethylbenzene	19.5	0.26				
1,2,4-Trimethylbenzene	725	9.8				
n-Decane	23.8	0.32				
1,2,3-Trimethylbenzene	19.4	0.26				
n-Butylbenzene	2.6	0.04				
n-Undecane	17.6	0.24				
Naphthalene	2.0	0.03				

Log # 6828			Sample Name: M25, 2-4		Sample Date: 3/20/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	101	1.8	<C-6	0.0	0.0	
Ethylbenzene	52.3	0.90	C-6 to C-7	96.7	1.7	
1,3,5-Trimethylbenzene	1.5	0.03	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	781	13.5	C-8 to C-9	62.4	1.1	
n-Undecane	3.8	0.07	C-9 to C-10	903	15.6	
			C-10 to C-11	1.5	0.03	
			C-11 to C-12	5.0	0.09	

Log # 6829			Sample Name: M26, 1-3		Sample Date: 3/20/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	70.1	0.87	<C-6	0.0	0.0	
p-Xylene	47.1	0.58	C-6 to C-7	61.7	0.76	
1,3,5-Trimethylbenzene	0.7	0.01	C-7 to C-8	0.0	0.0	
1,2,4-Trimethylbenzene	732	9.1	C-8 to C-9	58.9	0.73	
n-Undecane	1.6	0.02	C-9 to C-10	846	10.5	
			C-10 to C-11	1.1	0.01	
			C-11 to C-12	2.1	0.03	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6830			Sample Name: M27, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	149	1.7	<C-6	0.0	0.0	
2,4-Dimethylpentane	90.5	1.1	C-6 to C-7	205	2.4	
Toluene	2.5	0.03	C-7 to C-8	3.3	0.04	
Ethylbenzene	49.8	0.58	C-8 to C-9	59.5	0.69	
1,2,4-Trimethylbenzene	712	8.3	C-9 to C-10	846	9.8	
n-Undecane	3.0	0.04	C-10 to C-11	0.0	0.0	
			C-11 to C-12	4.0	0.05	

Log # 6831			Sample Name: M27, 4-1		Sample Date: 3/20/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	89.8	1.7	<C-6	107	2.0	
2,4-Dimethylpentane	100	1.9	C-6 to C-7	219	4.1	
Benzene	11.4	0.21	C-7 to C-8	292	5.5	
n-Heptane	17.7	0.33	C-8 to C-9	717	13.4	
Toluene	122	2.3	C-9 to C-10	1,424	26.6	
n-Octane	26.7	0.50	C-10 to C-11	751	14.0	
Ethylbenzene	23.9	0.45	C-11 to C-12	1,160	21.7	
Nonane	11.2	0.21				
n-Propylbenzene	183	3.4				
1,3,5-Trimethylbenzene	85.6	1.6				
1,2,4-Trimethylbenzene	848	15.8				
n-Decane	49.6	0.93				
1,2,3-Trimethylbenzene	134	2.5				
n-Butylbenzene	102	1.9				
n-Undecane	132	2.5				
Naphthalene	178	3.3				

Log # 6832			Sample Name: M27, 2-4		Sample Date: 3/20/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	62.3	0.90	<C-6	64.6	0.93	
n-Hexane	15.5	0.22	C-6 to C-7	127	1.8	
2,4-Dimethylpentane	96.0	1.4	C-7 to C-8	133	1.9	
Benzene	3.0	0.04	C-8 to C-9	388	5.6	
Toluene	77.3	1.1	C-9 to C-10	1,409	20.3	
n-Octane	8.1	0.12	C-10 to C-11	427	6.2	
Ethylbenzene	18.6	0.27	C-11 to C-12	652	9.4	
Nonane	4.7	0.07				
n-Propylbenzene	84.9	1.2				
1,3,5-Trimethylbenzene	55.4	0.80				
1,2,4-Trimethylbenzene	1,017	14.6				
n-Decane	32.6	0.47				
1,2,3-Trimethylbenzene	89.1	1.3				
n-Butylbenzene	101	1.5				
n-Undecane	64.5	0.93				
Naphthalene	109	1				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6833

Sample Name: M27, 2-2  
Depth (ft): 5.0 to 5.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	49.6	1.2
2,4-Dimethylpentane	102	2.5
n-Heptane	12.6	0.30
Toluene	2.6	0.06
n-Octane	24.8	0.59
p-Xylene	78.1	1.9
Nonane	43.1	1.0
n-Propylbenzene	2.0	0.05
1,3,5-Trimethylbenzene	4.6	0.11
1,2,4-Trimethylbenzene	1,184	28.4
n-Decane	43	1.0
1,2,3-Trimethylbenzene	15.9	0.38
n-Butylbenzene	5.8	0.14
n-Undecane	55.7	1.3
Naphthalene	139	3.3

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	130	3.1
C-7 to C-8	13.7	0.33
C-8 to C-9	116	2.8
C-9 to C-10	1,413	33.9
C-10 to C-11	63.5	1.5
C-11 to C-12	144	3.5

Log # 6834

Sample Name: M30, 3-2  
Depth (ft): 3.0 to 3.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	22.6	0.23
2,4-Dimethylpentane	41.7	0.43
Toluene	6.0	0.06
n-Octane	4.5	0.05
p-Xylene	58.5	0.60
Nonane	13.8	0.14
1,3,5-Trimethylbenzene	1.4	0.01
1,2,4-Trimethylbenzene	915	9.4
n-Decane	20.3	0.21
1,2,3-Trimethylbenzene	8.4	0.09
n-Butylbenzene	1.1	0.01
n-Undecane	17.1	0.18
Naphthalene	12.4	0.13

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	56.3	0.58
C-7 to C-8	8.2	0.08
C-8 to C-9	76.5	0.78
C-9 to C-10	1,073	11.0
C-10 to C-11	27.8	0.28
C-11 to C-12	28.8	0.29

Log # 6835

Sample Name: M30, 2-1  
Depth (ft): 5.5 to 6.0

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	61.8	0.80
Toluene	1.3	0.02
p-Xylene	49.4	0.64
1,3,5-Trimethylbenzene	2.0	0.03
1,2,4-Trimethylbenzene	774	10.016

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	54.4	0.70
C-7 to C-8	2.5	0.03
C-8 to C-9	61.7	0.80
C-9 to C-10	896	11.6
C-10 to C-11	1.8	0.02
C-11 to C-12	0.0	0.0

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6836

Sample Name: M30, 1-4  
Depth (ft): 6.0 to 6.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	81.1	1.4
Toluene	10.0	0.17
p-Xylene	47.1	0.81
1,3,5-Trimethylbenzene	0.31	0.01
1,2,4-Trimethylbenzene	737	12.6
n-Undecane	0.78	0.01

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	73.3	1.3
C-7 to C-8	13.6	0.23
C-8 to C-9	58.9	1.0
C-9 to C-10	853	14.6
C-10 to C-11	0.56	0.01
C-11 to C-12	1.0	0.02

Log # 6837

Sample Name: M30, 1-3  
Depth (ft): 6.5 to 7.0

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	54.7	0.91
Toluene	2.6	0.04
p-Xylene	43.1	0.71
1,3,5-Trimethylbenzene	0.6	0.01
1,2,4-Trimethylbenzene	676	11.2
n-Decane	11.8	0.20
1,2,3-Trimethylbenzene	5.8	0.10
n-Butylbenzene	0.50	0.01
n-Undecane	6.5	0.11
Naphthalene	3.2	0.05

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	48.1	0.80
C-7 to C-8	3.5	0.06
C-8 to C-9	53.9	0.89
C-9 to C-10	785	13.0
C-10 to C-11	17.5	0.29
C-11 to C-12	10.2	0.17

Log # 6838

Sample Name: M23, 4-4  
Depth (ft): 0.0 to 0.5

Sample Date: 3/20/95

Compound	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	118	2.2
n-Heptane	3.5	0.07
p-Xylene	54.1	1.02
1,3,5-Trimethylbenzene	1.2	0.02
1,2,4-Trimethylbenzene	863	16.3
n-Decane	14.7	0.28
1,2,3-Trimethylbenzene	7.6	0.14
n-Undecane	7.8	0.15
Naphthalene	2.3	0.04

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	104	2.0
C-7 to C-8	2.8	0.05
C-8 to C-9	67.7	1.3
C-9 to C-10	1,002	19.0
C-10 to C-11	22.3	0.42
C-11 to C-12	11.3	0.21

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6839

Sample Name: M23, 2-2

Sample Date: 3/20/95

Depth (ft): 5.0 to 5.5

Compound	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	92.6	0.78
Toluene	2.4	0.02
p-Xylene	75.3	0.64
1,3,5-Trimethylbenzene	1.5	0.01
1,2,4-Trimethylbenzene	1,143	9.6
n-Decane	9.1	0.08
1,2,3-Trimethylbenzene	8.5	0.07
n-Undecane	5.3	0.04
Naphthalene	0.77	0.01

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.0
C-6 to C-7	52.6	0.44
C-7 to C-8	2.3	0.02
C-8 to C-9	53.2	0.4
C-9 to C-10	775	6.5
C-10 to C-11	16.4	0.14
C-11 to C-12	9.7	0.08

Log # 6840

Sample Name: M21, 3-4

Sample Date: 3/20/95

Depth (ft): 2.0 to 2.5

Compound	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	188	3.4
n-Hexane	366	6.6
2,4-Dimethylpentane	82.7	1.5
Benzene	350	6.3
n-Heptane	1,040	18.8
Toluene	60.2	1.1
n-Octane	531	9.6
Ethylbenzene	2.0	0.04
p-Xylene	40.9	0.74
Nonane	18.6	0.34
1,2,4-Trimethylbenzene	276	5.0
n-Decane	7.8	0.14
n-Undecane	3.9	0.07

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	300	5.4
C-6 to C-7	1,212	21.9
C-7 to C-8	1,402	25.3
C-8 to C-9	509	9.2
C-9 to C-10	332	6.0
C-10 to C-11	6.9	0.12
C-11 to C-12	5.1	0.09

Continuing Calibration Check  
Volatiles Purge and Trap  
Matrix: Water

Instrument ID: Dyna GC 9A  
Date of Analysis: 3/30/95  
Batch Number: 45  
Initial Calibration Dt: 2/22/95  
Operator: LJ

Dyna-30MAR95-003

	Initial Ave. CF	CF-Cal check	%D	Initial RT	RT-cal check
Compound					
2-methylpentane	442330	537230	21.5		
n-hexane	422729	505371	19.5		
2,4-dimethylpentane	458582	568781	24.0		
benzene	748463	779851	4.2		
n-heptane	452679	494333	9.2	7.346-7.836	7.46
toluene	765606	778766	1.7		
n-octane	472184	503472	6.6		
ethylbenzene	746094	742910	-0.4	12.00-12.428	12.173
p-xylene	782215	786053	0.5		
nonane	500812	517715	3.4		
n-propylbenzene	764869	747192	-2.3		
1,3,5-trimethylbenzene	776551	770543	-0.8		
1,2,4-trimethylbenzene	785771	778206	-1.0		
n-decane	575316	572762	-0.4		
1,2,3-trimethylbenzene	656801	647371	-1.4		
n-butylbenzene	773692	743018	-4.0		
undecane	595081	616062	3.5	18.448-18.797	18.783
naphthalene	233044	228925	-1.8		
n-Dodecane	536514	653913	22.3		

CF-concentration factor  
%D-percent difference  
RT-retention time  
99% TL- 99% tolerance level

Instrument ID: Dyna GC 9A  
Date of Analysis: 3/31/95  
Batch Number: 45  
Initial Calibration Dt: 2/22/95  
Operator: LJ

Dyna-30MAR95-025

	Initial Ave. CF	CF-Cal check	%D	Initial RT	RT-cal check
Compound					
2-methylpentane	442330	477145	7.9		
n-hexane	422729	431565	2.1		
2,4-dimethylpentane	458582	504056	9.9		
benzene	748463	775737	3.6		
n-heptane	452679	450553	-0.5	7.346-7.836	7.456
toluene	765606	787861	2.9		
n-octane	472184	437526	-7.3		
ethylbenzene	746094	753042	0.9	12.00-12.428	12.146
p-xylene	782215	798301	2.1		
nonane	500812	440813	-12.0		
n-propylbenzene	764869	758311	-0.9		
1,3,5-trimethylbenzene	776551	782901	0.8		
1,2,4-trimethylbenzene	785771	790227	0.6		
n-decane	575316	514959	-10.5		
1,2,3-trimethylbenzene	656801	653517	-0.5		
n-butylbenzene	773692	743622	-3.9		
undecane	595081	578543	-2.8	18.448-18.797	18.766
naphthalene	233044	222310	-4.6		
n-Dodecane	536514	613109	14.3		

CF-concentration factor  
%D-percent difference  
RT-retention time  
99% TL- 99% tolerance level



**FEW AFB Final Soil Total Petroleum Hydrocarbon Results (Corrected, 8/95)**  
**Methanol Purge and Trap Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/21/95	6728	M0, 1-3	6.5 to 7.0	P&T Soil	64.7	86
3/21/95	6727	M0, 1-4	6.0 to 6.5	P&T Soil	14.7	19.5
3/21/95	6726	M0, 3-2	3.0 to 3.5	P&T Soil	14.5	19.2
3/21/95	6725	M0, 3-3	2.5 to 3.0	P&T Soil	12.9	17.1
3/21/95	6731	M1, 1-1	7.5 to 8.0	P&T Soil	1.6	2.1
3/21/95	6730	M1, 2-3	4.5 to 5.0	P&T Soil	0.88	1.2
3/21/95	6729	M1, 4-1	1.5 to 2.0	P&T Soil	1.5	1.9
3/21/95	6736	M3, 1-4	6.0 to 6.5	P&T Soil	1.5	1.9
3/21/95	6735	M3, 2-2	5.0 to 5.5	P&T Soil	12.9	17.1
3/21/95	6734	M3, 2-3	4.5 to 5.0	P&T Soil	7.9	10.4
3/21/95	6733	M3, 4-1	1.5 to 2.0	P&T Soil	124	164
3/21/95	6732	M3, 4-2	1.0 to 1.5	P&T Soil	1.0	1.3
3/21/95	6737	M4, 3-4	2.0 to 2.5	P&T Soil	1.4	1.9
3/21/95	6740	M5, 2-3	4.5 to 5.0	P&T Soil	1.6	2.1
3/21/95	6739	M5, 2-4	4.0 to 4.5	P&T Soil	5.9	7.8
3/21/95	6738	M5, 4-1	1.5 to 2.0	P&T Soil	3.2	4.3
3/21/95	6742	M7, 2-1	5.5 to 6.0	P&T Soil	10.3	13.7
3/21/95	6741	M7, 4-2	1.0 to 1.5	P&T Soil	2.0	2.7
3/20/95	6803	M10, 1-1	7.5 to 8.0	P&T Soil	3.1	4.0
3/20/95	6802	M10, 1-2	7.0 to 7.5	P&T Soil	24.0	31.8
3/20/95	6801	M10, 1-3	6.5 to 7.0	P&T Soil	9.7	12.9
3/20/95	6800	M10, 3-1	3.5 to 4.0	P&T Soil	8.7	11.6
3/20/95	6799	M10, 3-3	2.5 to 3.0	P&T Soil	9.8	13.0
3/20/95	6810	M11, 1-4	6.0 to 6.5	P&T Soil	3.1	4.1
3/20/95	6808	M11, 2-2	5.0 to 5.5	P&T Soil	2.3	3.0
3/20/95	6807	M11, 3-4	2.0 to 2.5	P&T Soil	2.8	3.7
3/20/95	6806	M11, 4-2	1.0 to 1.5	P&T Soil	5.4	7.1
3/20/95	6805	M11, 4-3	0.5 to 1.0	P&T Soil	3.6	4.8
3/20/95	6804	M11, 4-4	0.0 to 0.5	P&T Soil	2.9	3.8
3/20/95	6812	M12, 1-3	6.5 to 7.0	P&T Soil	12.2	16.2
3/20/95	6811	M12, 3-3	2.5 to 3.0	P&T Soil	3.1	4.1
3/20/95	6816	M13, 2-3	4.5 to 5.0	P&T Soil	19.7	26.1
3/20/95	6815	M13, 2-4	4.0 to 4.5	P&T Soil	31.4	41.6
3/20/95	6814	M13, 4-1	1.5 to 2.0	P&T Soil	29.8	39.5
3/20/95	6813	M13, 4-2	1.0 to 1.5	P&T Soil	1.9	2.5
3/21/95	6769	M14, 1-2	7.0 to 7.5	P&T Soil	17.3	23.0
3/21/95	6768	M14, 1-3	6.5 to 7.0	P&T Soil	1.0	1.3
3/21/95	6767	M14, 3-2	3.0 to 3.5	P&T Soil	1.5	2.0
3/21/95	6766	M14, 3-3	2.5 to 3.0	P&T Soil	1.7	2.2
3/20/95	6818	M15, 2-2	5.0 to 5.5	P&T Soil	2.4	3.2
3/20/95	6817	M15, 2-3	4.5 to 5.0	P&T Soil	41.1	54.5
3/20/95	6820	M16, 3-3	2.5 to 3.0	P&T Soil	32.5	43.1
3/20/95	6819	M16, 3-4	2.0 to 2.5	P&T Soil	17.7	23.5
3/20/95	6823	M17, 2-3	4.5 to 5.0	P&T Soil	1.1	1.5

**FEW AFB Final Soil Total Petroleum Hydrocarbon Results (Corrected, 8/95)**  
**Methanol Purge and Trap Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/20/95	6822	M17, 3-1	3.5 to 4.0	P&T Soil	3.7	5.0
3/20/95	6827	M18, 1-4	6.0 to 6.5	P&T Soil	74.8	99.1
3/20/95	6826	M18, 3-2	3.0 to 3.5	P&T Soil	279	370
3/20/95	6825	M18, 3-3	2.5 to 3.0	P&T Soil	36.3	48.1
3/20/95	6824	M18, 4-4	0.0 to 0.5	P&T Soil	3.4	4.4
3/21/95	6775	M19, 2-2	5.0 to 5.5	P&T Soil	5.7	7.5
3/21/95	6774	M19, 2-3	4.5 to 5.0	P&T Soil	3.2	4.2
3/21/95	6773	M19, 4-1	1.5 to 2.0	P&T Soil	1.6	2.1
3/21/95	6772	M19, 4-2	1.0 to 1.5	P&T Soil	1.9	2.6
3/21/95	6771	M19, 4-3	0.5 to 1.0	P&T Soil	13.8	18.2
3/20/95	6840	M21, 3-4	2.0 to 2.5	P&T Soil	60.6	80.4
3/21/95	6770	M22, 3-2	3.0 to 3.5	P&T Soil	9.3	12.3
3/20/95	6839	M23, 2-2	5.0 to 5.5	P&T Soil	1.2	1.6
3/20/95	6838	M23, 4-4	0.0 to 0.5	P&T Soil	4.1	5.5
3/21/95	6777	M24, 3-2	3.0 to 3.5	P&T Soil	10.4	13.8
3/21/95	6776	M24, 3-4	2.0 to 2.5	P&T Soil	1.0	1.3
3/20/95	6828	M25, 2-4	4.0 to 4.5	P&T Soil	2.9	3.8
3/20/95	6829	M26, 1-3	6.5 to 7.0	P&T Soil	1.6	2.1
3/20/95	6833	M27, 2-2	5.0 to 5.5	P&T Soil	12.3	16.3
3/20/95	6832	M27, 2-4	4.0 to 4.5	P&T Soil	29.4	39.0
3/20/95	6831	M27, 4-1	1.5 to 2.0	P&T Soil	69.8	92.5
3/20/95	6830	M27, 4-4	0.0 to 0.5	P&T Soil	3.4	4.5
3/21/95	6759	M28, 1-1	7.5 to 8.0	P&T Soil	11.9	15.8
3/21/95	6758	M28, 1-2	7.0 to 7.5	P&T Soil	1.8	2.4
3/21/95	6757	M28, 2-1	5.5 to 6.0	P&T Soil	124	165
3/21/95	6756	M28, 2-2	5.0 to 5.5	P&T Soil	178	236
3/21/95	6755	M28, 3-1	3.5 to 4.0	P&T Soil	103	137
3/21/95	6754	M28, 3-2	3.0 to 3.5	P&T Soil	69.5	92.2
3/21/95	6753	M28, 3-3	2.5 to 3.0	P&T Soil	25.8	34.1
3/21/95	6752	M28, 3-4	2.0 to 2.5	P&T Soil	210	279
3/21/95	6751	M29, 1-1	7.5 to 8.0	P&T Soil	854	1,132
3/21/95	6750	M29, 1-2	7.0 to 7.5	P&T Soil	163	216
3/21/95	6749	M29, 1-3	6.5 to 7.0	P&T Soil	87.7	116
3/21/95	6748	M29, 2-3	4.5 to 5.0	P&T Soil	34.1	45.2
3/21/95	6747	M29, 2-4	4.0 to 4.5	P&T Soil	13.3	17.7
3/21/95	6746	M29, 4-1	1.5 to 2.0	P&T Soil	20.9	27.7
3/21/95	6745	M29, 4-2	1.0 to 1.5	P&T Soil	57.1	75.7
3/21/95	6744	M29, 4-3	0.5 to 1.0	P&T Soil	2.5	3.4
3/21/95	6743	M29, 4-4	0.0 to 0.5	P&T Soil	2.5	3.4
3/20/95	6837	M30, 1-3	6.5 to 7.0	P&T Soil	2.4	3.1
3/20/95	6836	M30, 1-4	6.0 to 6.5	P&T Soil	2.6	3.4
3/20/95	6835	M30, 2-1	5.5 to 6.0	P&T Soil	1.6	2.2
3/20/95	6834	M30, 3-2	3.0 to 3.5	P&T Soil	2.3	3.0
3/20/95	6798	M31, 1-1	7.5 to 8.0	P&T Soil	3.2	4.2

**FEW AFB Final Soil Total Petroleum Hydrocarbon Results (Corrected, 8/95)**  
**Methanol Purge and Trap Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-6 to C-12 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/20/95	6797	M31, 1-2	7.0 to 7.5	P&T Soil	5.5	7.3
3/20/95	6796	M31, 2-1	5.5 to 6.0	P&T Soil	3.6	4.8
3/20/95	6795	M31, 2-2	5.0 to 5.5	P&T Soil	4.5	6.0
3/20/95	6794	M31, 2-4	4.0 to 4.5	P&T Soil	3.5	4.7
3/20/95	6793	M31, 4-2	1.0 to 1.5	P&T Soil	6.4	8.5
3/20/95	6792	M31, 4-3	0.5 to 1.0	P&T Soil	14.1	18.7
3/20/95	6791	M31, 4-4	0.0 to 0.5	P&T Soil	10.0	13.3
3/20/95	6785	M32, 3-2	3.0 to 3.5	P&T Soil	6.7	8.9
3/20/95	6790	M32, 1-1	7.5 to 8.0	P&T Soil	1.8	2.4
3/20/95	6789	M32, 1-2	7.0 to 7.5	P&T Soil	1.6	2.1
3/20/95	6788	M32, 1-3	6.5 to 7.0	P&T Soil	2.9	3.8
3/20/95	6787	M32, 2-1	5.5 to 6.0	P&T Soil	5.2	6.9
3/20/95	6786	M32, 3-1	3.5 to 4.0	P&T Soil	5.0	6.7
3/20/95	6784	M33, 1-1	7.5 to 8.0	P&T Soil	638	846
3/20/95	6783	M33, 1-2	7.0 to 7.5	P&T Soil	361	479
3/20/95	6782	M33, 2-2	5.0 to 5.5	P&T Soil	12.7	16.8
3/20/95	6781	M33, 2-3	4.5 to 5.0	P&T Soil	5.1	6.7
3/20/95	6780	M33, 4-1	1.5 to 2.0	P&T Soil	1.4	1.8
3/20/95	6779	M33, 4-2	1.0 to 1.5	P&T Soil	4.9	6.5
3/20/95	6778	M33, 4-3	0.5 to 1.0	P&T Soil	3.1	4.2
3/21/95	6765	M34, 1-2	7.0 to 7.5	P&T Soil	205	272
3/21/95	6764	M34, 1-3	6.5 to 7.0	P&T Soil	0.10	0.14
3/21/95	6763	M34, 1-4	6.0 to 6.5	P&T Soil	37.9	50.2
3/21/95	6762	M34, 2-1	5.5 to 6.0	P&T Soil	19.6	26.0
3/21/95	6761	M34, 3-2	3.0 to 3.5	P&T Soil	21.4	28.4
3/21/95	6760	M34, 3-3	2.5 to 3.0	P&T Soil	26.6	35.2

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6725			Sample Name: M0, 3-3		Sample Date: 3/21/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	40.06	0.49	<C-6	41.6	0.51	
n-Hexane	26.27	0.32	C-6 to C-7	104	1.3	
2,4-Dimethylpentane	63.73	0.78	C-7 to C-8	163	2.0	
Benzene	2.82	0.03	C-8 to C-9	235	2.9	
n-Heptane	19.02	0.23	C-9 to C-10	266	3.3	
Toluene	45.49	0.56	C-10 to C-11	216	2.7	
n-Octane	31.98	0.39	C-11 to C-12	116	1.4	
Ethylbenzene	9.89	0.12				
p-Xylene	132.70	1.63				
n-Nonane	19.55	0.24				
1,3,5-Trimethylbenzene	32.01	0.39				
n-Decane	44.50	0.55				
1,2,3-Trimethylbenzene	46.79	0.58				
n-Butylbenzene	47.95	0.59				
n-Undecane	41.79	0.51				
Naphthalene	22.17	0.27				
Log # 6726			Sample Name: M0, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	394.38	2.76	<C-6	640.18	4.47	
2-Methylpentane	87.34	0.61	C-6 to C-7	161.27	1.13	
n-Hexane	65.71	0.46	C-7 to C-8	272.54	1.90	
2,4-Dimethylpentane	52.18	0.36	C-8 to C-9	335.88	2.35	
Benzene	5.31	0.04	C-9 to C-10	396.73	2.77	
n-Heptane	43.22	0.30	C-10 to C-11	412.79	2.88	
Toluene	30.03	0.21	C-11 to C-12	373.05	2.61	
n-Octane	69.96	0.49				
Ethylbenzene	10.42	0.07				
p-Xylene	133.66	0.93				
Nonane	69.84	0.49				
n-Propylbenzene	10.74	0.08				
1,3,5-Trimethylbenzene	62.68	0.44				
n-Decane	85.73	0.60				
1,2,3-Trimethylbenzene	60.01	0.42				
n-Butylbenzene	98.98	0.69				
n-Undecane	86.79	0.61				
Log # 6727			Sample Name: M0, 1-4		Sample Date: 3/21/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	552.49	1.45	<C-6	870	2.3	
2-Methylpentane	101.61	0.27	C-6 to C-7	251	0.66	
n-Hexane	118.77	0.31	C-7 to C-8	491	1.3	
2,4-Dimethylpentane	55.70	0.15	C-8 to C-9	664	1.7	
Benzene	2.07	0.01	C-9 to C-10	814	2.1	
n-Heptane	109.70	0.29	C-10 to C-11	1,273	3.3	
Toluene	59.77	0.16	C-11 to C-12	1,390	3.6	
n-Octane	167.01	0.44				
Ethylbenzene	26.80	0.07				
p-Xylene	41.18	0.11				
Nonane	185.39	0.49				
n-Propylbenzene	41.25	0.11				
1,3,5-Trimethylbenzene	190.18	0.50				
n-Decane	285.23	0.75				
1,2,3-Trimethylbenzene	137.63	0.36				
n-Butylbenzene	110.36	0.29				
n-Undecane	310.73	0.81				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6728			Sample Name: M0, 1-3		Sample Date: 3/21/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	611	8.5	<C-6	958	13.3	
2-Methylpentane	112	1.6	C-6 to C-7	277	3.8	
n-Hexane	120	1.7	C-7 to C-8	472	6.6	
2,4-Dimethylpentane	71.81	1.0	C-8 to C-9	613	8.5	
Benzene	6.3	0.09	C-9 to C-10	715	9.9	
n-Heptane	109	1.5	C-10 to C-11	1,028	14.3	
Toluene	13.5	0.19	C-11 to C-12	702	9.7	
n-Octane	172	2.4				
p-Xylene	53.68	0.75				
Nonane	164	2.3				
n-Propylbenzene	50.2	0.70				
1,3,5-Trimethylbenzene	221	3.1				
n-Decane	202	2.8				
1,2,3-Trimethylbenzene	69.9	0.97				
n-Butylbenzene	145	2.0				
n-Undecane	164	2.3				

Log # 6729			Sample Name: M1, 4-1		Sample Date: 3/21/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.7	0.04	<C-6	0.0	0.00	
2,4-Dimethylpentane	43.0	0.46	C-6 to C-7	57.3	0.61	
Benzene	6.9	0.07	C-7 to C-8	1.3	0.01	
n-Heptane	1.7	0.02	C-8 to C-9	50.3	0.53	
p-Xylene	40.2	0.43	C-9 to C-10	109	1.1	
1,3,5-Trimethylbenzene	4.6	0.05	C-10 to C-11	14.7	0.16	
n-Decane	10.3	0.11	C-11 to C-12	5.5	0.06	
1,2,3-Trimethylbenzene	5.6	0.06				
n-Undecane	4.2	0.04				

Log # 6730			Sample Name: M1, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.3	0.02	<C-6	0.00	0.00	
2,4-Dimethylpentane	33.2	0.24	C-6 to C-7	46.4	0.33	
Benzene	7.1	0.05	C-7 to C-8	1.2	0.01	
Toluene	0.88	0.01	C-8 to C-9	45.9	0.33	
p-Xylene	36.7	0.26	C-9 to C-10	98.9	0.71	
1,3,5-Trimethylbenzene	3.9	0.03	C-10 to C-11	15.8	0.11	
n-Decane	9.6	0.07	C-11 to C-12	5.2	0.04	
1,2,3-Trimethylbenzene	6.9	0.05				
n-Butylbenzene	0.31	0.00				
n-Undecane	4.0	0.03				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6731

Sample Name: M1, 1-1  
Depth (ft): 7.5 to 8.0

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	30.0	0.23	<C-6	37.7	0.30
n-Heptane	4.1	0.03	C-6 to C-7	9.7	0.08
n-Octane	5.4	0.04	C-7 to C-8	3.3	0.03
p-Xylene	55.1	0.43	C-8 to C-9	73.0	0.57
Nonane	6.3	0.05	C-9 to C-10	159	1.2
1,3,5-Trimethylbenzene	2.1	0.02	C-10 to C-11	41.6	0.33
n-Decane	21.2	0.17	C-11 to C-12	15.0	0.12
1,2,3-Trimethylbenzene	12.2	0.10			
n-Butylbenzene	3.1	0.02			
n-Undecane	9.5	0.07			

Log # 6732

Sample Name: M3, 4-2  
Depth (ft): 1.0 to 1.5

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	2.8	0.02	<C-6	0.0	0.00
2,4-Dimethylpentane	27.6	0.24	C-6 to C-7	26.6	0.23
Toluene	1.1	0.01	C-7 to C-8	1.5	0.01
p-Xylene	57.6	0.50	C-8 to C-9	72.0	0.62
1,3,5-Trimethylbenzene	1.5	0.01	C-9 to C-10	157	1.4
n-Undecane	2.0	0.02	C-10 to C-11	0.0	0.00
			C-11 to C-12	2.6	0.02

Log # 6733

Sample Name: Sample Name: M3, 4-1  
Depth (ft): 1.5 to 2.0

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	4.9	0.15	<C-6	0.0	0.0
2,4-Dimethylpentane	17.4	0.54	C-6 to C-7	67.1	2.1
Benzene	3.5	0.11	C-7 to C-8	14.8	0.46
n-Heptane	6.4	0.20	C-8 to C-9	92.4	2.9
Toluene	3.8	0.12	C-9 to C-10	355	11.1
n-Octane	18.9	0.59	C-10 to C-11	973	30.4
p-Xylene	59.3	1.9	C-11 to C-12	2,994	93.6
Nonane	62.6	2.0			
n-Propylbenzene	13.6	0.43			
1,3,5-Trimethylbenzene	104	3.3			
n-Decane	308	9.6			
1,2,3-Trimethylbenzene	68.3	2.1			
n-Butylbenzene	62.8	2.0			
n-Undecane	908	28.4			

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6734			Sample Name: M3, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.1	0.04	<C-6	7.6	0.06	
2,4-Dimethylpentane	34.0	0.29	C-6 to C-7	104	0.88	
Benzene	5.5	0.05	C-7 to C-8	4.7	0.04	
n-Heptane	2.6	0.02	C-8 to C-9	77	0.65	
Toluene	1.9	0.02	C-9 to C-10	194	1.6	
n-Octane	5.8	0.05	C-10 to C-11	197	1.7	
p-Xylene	58.1	0.49	C-11 to C-12	567	4.8	
Nonane	18.0	0.15				
1,3,5-Trimethylbenzene	21.2	0.18				
n-Decane	73.8	0.62				
1,2,3-Trimethylbenzene	15.1	0.13				
n-Butylbenzene	18.8	0.16				
n-Undecane	170	1.4				

Log # 6735			Sample Name: M3, 2-2		Sample Date: 3/21/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	52.0	0.52	<C-6	12.7	0.13	
Benzene	4.9	0.05	C-6 to C-7	116	1.2	
n-Heptane	6.9	0.07	C-7 to C-8	13.0	0.13	
Toluene	3.9	0.04	C-8 to C-9	76.2	0.77	
n-Octane	14.9	0.15	C-9 to C-10	217	2.2	
p-Xylene	51.9	0.52	C-10 to C-11	308	3.1	
Nonane	40.4	0.41	C-11 to C-12	745	7.5	
1,3,5-Trimethylbenzene	38.3	0.39				
n-Decane	109	1.1				
n-Butylbenzene	33.0	0.33				
n-Undecane	227	2.3				
Naphthalene	409	4.1				

Log # 6736			Sample Name: M3, 1-4		Sample Date: 3/21/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.0	0.03	<C-6	0.00	0.00	
2,4-Dimethylpentane	44.5	0.40	C-6 to C-7	51.6	0.46	
Benzene	6.9	0.06	C-7 to C-8	0.00	0.00	
p-Xylene	56.8	0.51	C-8 to C-9	71.1	0.63	
1,3,5-Trimethylbenzene	1.2	0.01	C-9 to C-10	165	1.5	
n-Decane	13.8	0.12	C-10 to C-11	20.2	0.18	
1,2,3-Trimethylbenzene	7.9	0.07	C-11 to C-12	5.7	0.05	
n-Undecane	4.4	0.04				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6737

Sample Name: M4, 3-4  
Depth (ft): 2.0 to 2.5

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	3.7	0.04	<C-6	0.0	0.00
2,4-Dimethylpentane	22.2	0.24	C-6 to C-7	26.6	0.28
Benzene	2.8	0.03	C-7 to C-8	1.8	0.02
Toluene	1.3	0.01	C-8 to C-9	88.4	0.94
p-Xylene	70.7	0.75	C-9 to C-10	190	2.0
1,3,5-Trimethylbenzene	0.66	0.01	C-10 to C-11	0.0	0.00
n-Undecane	2.3	0.02	C-11 to C-12	3.1	0.03

Log # 6738

Sample Name: M5, 4-1  
Depth (ft): 1.5 to 2.0

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	35.9	0.51	<C-6	0.0	0.0
2,4-Dimethylpentane	56.9	0.81	C-6 to C-7	85.1	1.2
Toluene	0.96	0.01	C-7 to C-8	1.3	0.02
p-Xylene	63.8	0.91	C-8 to C-9	79.8	1.1
1,3,5-Trimethylbenzene	1.3	0.02	C-9 to C-10	178	2.5
n-Decane	17.7	0.25	C-10 to C-11	28.6	0.41
1,2,3-Trimethylbenzene	9.8	0.14	C-11 to C-12	18.1	0.26
n-Butylbenzene	2.5	0.04			
n-Undecane	6.6	0.09			

Log # 6739

Sample Name: M5, 2-4  
Depth (ft): 4.0 to 4.5

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	8.6	0.08	<C-6	0.0	0.0
2,4-Dimethylpentane	49.7	0.46	C-6 to C-7	172	1.6
Benzene	10.7	0.10	C-7 to C-8	20.0	0.18
n-Heptane	6.5	0.06	C-8 to C-9	124	1.1
Toluene	6.9	0.06	C-9 to C-10	260	2.4
n-Octane	5.8	0.05	C-10 to C-11	124	1.1
p-Xylene	95.7	0.88	C-11 to C-12	173	1.6
Nonane	13.9	0.13			
1,3,5-Trimethylbenzene	15.0	0.14			
n-Decane	66.4	0.61			
1,2,3-Trimethylbenzene	18.2	0.17			
n-Butylbenzene	17.4	0.16			
n-Undecane	70.9	0.65			



FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6740

Sample Name: M5, 2-3  
Depth (ft): 4.5 to 5.0

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	1.3	0.01	<C-6	0.0	0.0
2,4-Dimethylpentane	22.9	0.17	C-6 to C-7	21.2	0.16
Toluene	0.94	0.01	C-7 to C-8	2.0	0.01
p-Xylene	78.6	0.60	C-8 to C-9	98.3	0.75
1,3,5-Trimethylbenzene	1.7	0.01	C-9 to C-10	219	1.7
n-Decane	20.9	0.16	C-10 to C-11	29.9	0.23
1,2,3-Trimethylbenzene	11.3	0.09	C-11 to C-12	38.3	0.29
n-Undecane	7.2	0.05			

Log # 6741

Sample Name: M7, 4-2  
Depth (ft): 1.0 to 1.5

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	2.8	0.03	<C-6	0.0	0.0
2,4-Dimethylpentane	34.9	0.33	C-6 to C-7	40.6	0.38
Benzene	0.32	0.00	C-7 to C-8	1.5	0.01
Toluene	1.1	0.01	C-8 to C-9	84.0	0.79
p-Xylene	67.1	0.64	C-9 to C-10	186	1.8
1,3,5-Trimethylbenzene	1.1	0.01	C-10 to C-11	24.2	0.23
n-Decane	16.6	0.16	C-11 to C-12	51.6	0.49
1,2,3-Trimethylbenzene	9.4	0.09			
n-Undecane	4.8	0.05			

Log # 6742

Sample Name: M7, 2-1  
Depth (ft): 5.5 to 6.0

Sample Date: 3/21/95

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
2-Methylpentane	114.6	1.4	<C-6	138	1.7
n-Hexane	26.7	0.33	C-6 to C-7	495	6.1
2,4-Dimethylpentane	28.9	0.35	C-7 to C-8	25.0	0.31
Benzene	0.48	0.01	C-8 to C-9	102	1.2
n-Heptane	7.2	0.09	C-9 to C-10	182	2.2
Toluene	9.4	0.11	C-10 to C-11	58.2	0.71
n-Octane	5.0	0.06	C-11 to C-12	52.0	0.64
Ethylbenzene	4.5	0.05			
p-Xylene	68.5	0.84			
Nonane	13.9	0.17			
1,3,5-Trimethylbenzene	2.3	0.03			
n-Decane	31.1	0.38			
1,2,3-Trimethylbenzene	18.3	0.23			
n-Undecane	22.5	0.28			

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6743

Sample Name: M29, 4-4

Sample Date: 3/21/95

Depth (ft): 0.0 to 0.5

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	5.9	0.05	<C-6	4.0	0.03
2,4-Dimethylpentane	33.3	0.27	C-6 to C-7	83.1	0.68
n-Heptane	2.2	0.02	C-7 to C-8	11.1	0.09
Toluene	4.2	0.03	C-8 to C-9	99.5	0.82
p-Xylene	79.6	0.65	C-9 to C-10	210	1.7
1,3,5-Trimethylbenzene	5.0	0.04	C-10 to C-11	39.4	0.32
n-Decane	23.8	0.20	C-11 to C-12	54.1	0.44
1,2,3-Trimethylbenzene	12.8	0.11			
n-Butylbenzene	4.5	0.04			
n-Undecane	11.1	0.09			

Log # 6744

Sample Name: M29, 4-3

Sample Date: 3/21/95

Depth (ft): 0.5 to 1.0

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	4.7	0.05	<C-6	0.0	0.0
2,4-Dimethylpentane	44.8	0.45	C-6 to C-7	54.5	0.55
Benzene	0.5	0.00	C-7 to C-8	15.7	0.16
Toluene	11.5	0.12	C-8 to C-9	105	1.1
p-Xylene	83.8	0.85	C-9 to C-10	217	2.2
1,3,5-Trimethylbenzene	1.8	0.02	C-10 to C-11	32.9	0.33
n-Decane	21.4	0.22	C-11 to C-12	24.0	0.24
1,2,3-Trimethylbenzene	11.7	0.12			
n-Butylbenzene	1.8	0.02			
n-Undecane	3.7	0.04			

Log # 6745

Sample Name: M29, 4-2

Sample Date: 3/21/95

Depth (ft): 1.0 to 1.5

Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	5.0	0.07	<C-6	0.0	0.0
2,4-Dimethylpentane	19.1	0.26	C-6 to C-7	20.9	0.28
Ethylbenzene	85.9	1.17	C-7 to C-8	0.0	0.00
n-Propylbenzene	15.3	0.21	C-8 to C-9	102	1.4
1,3,5-Trimethylbenzene	49.0	0.67	C-9 to C-10	306	4.2
1,2,3-Trimethylbenzene	133	1.81	C-10 to C-11	974	13.3
n-Butylbenzene	126	1.71	C-11 to C-12	3,471	47.2
n-Undecane	223	3.04			
Naphthalene	1,070	14.56			

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6746			Sample Name: M29, 4-1		Sample Date: 3/21/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	54.2	0.58	<C-6	72.3	0.77	
2,4-Dimethylpentane	29.9	0.32	C-6 to C-7	42.5	0.45	
Benzene	0.40	0.00	C-7 to C-8	28.1	0.30	
Toluene	13.9	0.15	C-8 to C-9	218	2.3	
Ethylbenzene	174	1.9	C-9 to C-10	439	4.7	
Nonane	7.2	0.08	C-10 to C-11	334	3.6	
n-Propylbenzene	29.7	0.32	C-11 to C-12	1340	14.3	
1,3,5-Trimethylbenzene	19.8	0.21				
n-Decane	67.1	0.72				
1,2,3-Trimethylbenzene	65.7	0.70				
n-Butylbenzene	83.8	0.89				
n-Undecane	187	2.0				
Naphthalene	251	2.7				

Log # 6747			Sample Name: M29, 2-4		Sample Date: 3/21/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	23.0	0.35	<C-6	18.5	0.28	
Benzene	0.37	0.01	C-6 to C-7	37.4	0.57	
n-Heptane	3.3	0.05	C-7 to C-8	16.0	0.24	
Toluene	7.0	0.11	C-8 to C-9	62.2	0.95	
Ethylbenzene	48.2	0.74	C-9 to C-10	125	1.9	
Nonane	6.2	0.10	C-10 to C-11	131	2.0	
n-Propylbenzene	1.7	0.03	C-11 to C-12	673	10.3	
1,3,5-Trimethylbenzene	5.1	0.08				
n-Decane	20.8	0.32				
1,2,3-Trimethylbenzene	15.9	0.24				
n-Butylbenzene	38.0	0.58				
n-Undecane	90.7	1.4				
Naphthalene	132	2.0				

Log # 6748			Sample Name: M29, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	27.6	0.43	<C-6	308	4.8	
Benzene	0.93	0.01	C-6 to C-7	93.1	1.5	
n-Heptane	9.3	0.15	C-7 to C-8	37.9	0.59	
Toluene	1.1	0.02	C-8 to C-9	76.8	1.2	
n-Octane	9.3	0.14	C-9 to C-10	163	2.5	
Ethylbenzene	6.9	0.11	C-10 to C-11	509	7.9	
Nonane	15.6	0.24	C-11 to C-12	1238	19.3	
n-Propylbenzene	33.2	0.52				
1,3,5-Trimethylbenzene	19.6	0.31				
n-Decane	50.4	0.79				
1,2,3-Trimethylbenzene	47.6	0.74				
n-Butylbenzene	125	2.0				
n-Undecane	142	2.2				
Naphthalene	269	4.2				

FEW AFB Soil Methanol Extract  
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Log # 6749			Sample Name: M29, 1-3		Sample Date: 3/21/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	95.8	1.7	<C-6	458	8.1	
2,4-Dimethylpentane	56.7	1.0	C-6 to C-7	146	2.6	
Benzene	2.4	0.04	C-7 to C-8	113	2.0	
n-Heptane	13.3	0.24	C-8 to C-9	155	2.7	
Toluene	9.5	0.17	C-9 to C-10	334	5.9	
n-Octane	20.5	0.36	C-10 to C-11	912	16.2	
Ethylbenzene	76.1	1.4	C-11 to C-12	3,434	60.9	
Nonane	25.2	0.45				
n-Propylbenzene	74.5	1.3				
1,3,5-Trimethylbenzene	43.6	0.77				
n-Decane	87.2	1.5				
1,2,3-Trimethylbenzene	117.2	2.1				
n-Butylbenzene	251.5	4.5				
n-Undecane	344.2	6.1				
Log # 6750			Sample Name: M29, 1-2		Sample Date: 3/21/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	102	1.5	<C-6	639	9.7	
2,4-Dimethylpentane	56.6	0.86	C-6 to C-7	186	2.8	
Benzene	2.0	0.03	C-7 to C-8	106	1.6	
n-Heptane	25.4	0.39	C-8 to C-9	220	3.3	
Toluene	9.4	0.14	C-9 to C-10	740	11.2	
n-Octane	34.7	0.53	C-10 to C-11	2,542	38.5	
Ethylbenzene	119	1.8	C-11 to C-12	7,407	112	
Nonane	62.9	0.95				
n-Propylbenzene	150	2.3				
1,3,5-Trimethylbenzene	123	1.9				
n-Decane	233	3.5				
1,2,3-Trimethylbenzene	245	3.7				
n-Butylbenzene	629	9.5				
n-Undecane	635	9.6				
Naphthalene	1,084	16.4				
Log # 6751			Sample Name: M29, 1-1		Sample Date: 3/21/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	662	11.3	<C-6	3,324	56.7	
2-Methylpentane	200	3.4	C-6 to C-7	1,416	24.1	
2,4-Dimethylpentane	195	3.3	C-7 to C-8	624	10.6	
Benzene	21.17	0.36	C-8 to C-9	993	16.9	
n-Heptane	117	2.0	C-9 to C-10	3,002	51.2	
Toluene	58.60	1.0	C-10 to C-11	14,468	247	
n-Octane	138	2.4	C-11 to C-12	30,159	514	
Ethylbenzene	108	1.8				
Nonane	130	2.2				
n-Propylbenzene	582	9.9				
1,3,5-Trimethylbenzene	658	11.2				
1,2,4-Trimethylbenzene	2,077	35.4				
n-Decane	835	14.2				
1,2,3-Trimethylbenzene	1,693	28.9				
n-Butylbenzene	2,994	51.0				
n-Undecane	3,203	54.6				
Naphthalene	6,049	103				

FEW AFB Soil Methanol Extract  
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Log # 6752			Sample Name: M28, 3-4		Sample Date: 3/21/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	160	3.7	<C-6	470	10.9	
2,4-Dimethylpentane	65.9	1.5	C-6 to C-7	1,358	31.4	
Benzene	1.4	0.03	C-7 to C-8	285	6.6	
n-Heptane	29.4	0.68	C-8 to C-9	653	15.1	
Toluene	6.5	0.15	C-9 to C-10	453	10.5	
n-Octane	17.4	0.40	C-10 to C-11	1,155	26.7	
Ethylbenzene	44.9	1.0	C-11 to C-12	5,745	133	
Nonane	15.4	0.36				
n-Propylbenzene	123	2.9				
1,3,5-Trimethylbenzene	85.9	2.0				
n-Decane	83.7	1.9				
1,2,3-Trimethylbenzene	134	3.1				
n-Butylbenzene	247	5.7				
n-Undecane	357	8.3				
Naphthalene	1,102	25.5				

Log # 6753			Sample Name: M28, 3-3		Sample Date: 3/21/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	30.5	0.33	<C-6	89.8	0.97	
2,4-Dimethylpentane	47.6	0.51	C-6 to C-7	365	3.9	
Benzene	0.10	0.00	C-7 to C-8	47.5	0.51	
Toluene	34.9	0.38	C-8 to C-9	140	1.5	
Ethylbenzene	93.7	1.0	C-9 to C-10	157	1.7	
Nonane	7.1	0.08	C-10 to C-11	351	3.8	
n-Propylbenzene	23.7	0.26	C-11 to C-12	1569	16.9	
1,3,5-Trimethylbenzene	21.9	0.24				
n-Decane	33.9	0.37				
1,2,3-Trimethylbenzene	37.4	0.40				
n-Butylbenzene	75.9	0.82				
n-Undecane	112	1.2				
Naphthalene	353	3.8				

Log # 6754			Sample Name: M28, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	376	7.4	<C-6	561	11.1	
2-Methylpentane	5.5	0.11	C-6 to C-7	714	14.1	
n-Hexane	42.2	0.83	C-7 to C-8	88.09	1.7	
2,4-Dimethylpentane	45.1	0.89	C-8 to C-9	141	2.8	
Benzene	2.9	0.06	C-9 to C-10	181	3.6	
n-Heptane	26.2	0.52	C-10 to C-11	433	8.6	
Toluene	4.4	0.09	C-11 to C-12	1908	37.7	
n-Octane	13.5	0.27				
Ethylbenzene	10.1	0.20				
Nonane	13.5	0.27				
n-Propylbenzene	32.7	0.65				
1,3,5-Trimethylbenzene	31.5	0.62				
n-Decane	41.0	0.81				
1,2,3-Trimethylbenzene	39.7	0.78				
n-Butylbenzene	107	2.1				
n-Undecane	134	2.6				
Naphthalene	510	10.1				

**FEW AFB Soil Methanol Extract  
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Log # 6755			Sample Name: M28, 3-1		Sample Date: 3/21/95	
			Depth (ft): 3.5 to 4.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	524	11.7	<C-6	1,129	25.3	
2-Methylpentane	95.4	2.1	C-6 to C-7	1,308	29.3	
n-Hexane	68.4	1.5	C-7 to C-8	143	3.2	
2,4-Dimethylpentane	45.4	1.0	C-8 to C-9	174	3.9	
Benzene	3.9	0.09	C-9 to C-10	285	6.4	
n-Heptane	53.2	1.2	C-10 to C-11	499	11.2	
Toluene	13.0	0.29	C-11 to C-12	1,679	37.6	
n-Octane	25.7	0.58				
Ethylbenzene	11.1	0.25				
Nonane	17.6	0.39				
n-Propylbenzene	30.5	0.68				
1,3,5-Trimethylbenzene	62.6	1.4				
n-Decane	57.4	1.3				
1,2,3-Trimethylbenzene	50.9	1.1				
n-Butylbenzene	63.6	1.4				
n-Undecane	198	4.4				

Log # 6756			Sample Name: M28, 2-2		Sample Date: 3/21/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	574	17.4	<C-6	1,195	36.1	
2-Methylpentane	143	4.3	C-6 to C-7	1,934	58.4	
n-Hexane	211	6.4	C-7 to C-8	508	15.3	
2,4-Dimethylpentane	91.4	2.8	C-8 to C-9	286	8.7	
Benzene	0.67	0.02	C-9 to C-10	327	9.9	
n-Heptane	154	4.7	C-10 to C-11	640	19.3	
Toluene	50.9	1.5	C-11 to C-12	1,618	48.9	
n-Octane	76.5	2.3				
Ethylbenzene	57.5	1.7				
p-Xylene	23.2	0.70				
Nonane	33.5	1.0				
1,3,5-Trimethylbenzene	96.2	2.9				
n-Decane	89.5	2.7				
1,2,3-Trimethylbenzene	41.6	1.3				
n-Butylbenzene	87.6	2.6				
n-Undecane	191	5.8				

Log # 6757			Sample Name: M28, 2-1		Sample Date: 3/21/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Pentane	658	14.6	<C-6	1,303	28.9	
2-Methylpentane	155	3.4	C-6 to C-7	1,266	28.1	
n-Hexane	159	3.5	C-7 to C-8	529	11.7	
2,4-Dimethylpentane	108	2.4	C-8 to C-9	330	7.3	
Benzene	9.9	0.22	C-9 to C-10	403	8.9	
n-Heptane	103	2.3	C-10 to C-11	720	16.0	
Toluene	48.8	1.1	C-11 to C-12	1,607	35.6	
n-Octane	70.4	1.6				
Ethylbenzene	63.8	1.4				
p-Xylene	18.9	0.42				
Nonane	30.1	0.67				
n-Propylbenzene	51.0	1.1				
1,3,5-Trimethylbenzene	103	2.3				
1,2,4-Trimethylbenzene	481	10.7				
n-Decane	91.2	2.0				
1,2,3-Trimethylbenzene	55.0	1.2				
n-Butylbenzene	100	2.2				
n-Undecane	168	3.7				
Naphthalene	260	5.8				

FEW AFB Soil Metanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6758			Sample Name: M28, 1-2		Sample Date: 3/21/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.4	0.03	<C-6	0.00	0.00	
2,4-Dimethylpentane	48.4	0.42	C-6 to C-7	59.5	0.51	
Benzene	6.6	0.06	C-7 to C-8	6.9	0.06	
Toluene	5.0	0.04	C-8 to C-9	39.7	0.34	
p-Xylene	31.7	0.27	C-9 to C-10	86.3	0.74	
1,3,5-Trimethylbenzene	4.5	0.04	C-10 to C-11	13.1	0.11	
n-Decane	9.0	0.08	C-11 to C-12	85.8	0.74	
1,2,3-Trimethylbenzene	2.1	0.02				
n-Butylbenzene	0.72	0.01				
n-Undecane	5.7	0.05				

Log # 6759			Sample Name: M28, 1-1		Sample Date: 3/21/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	49.6	0.46	<C-6	188	1.7	
Benzene	10.8	0.10	C-6 to C-7	854	7.9	
Ethylbenzene	26.1	0.24	C-7 to C-8	0.0	0.00	
n-Decane	9.8	0.09	C-8 to C-9	31.2	0.29	
1,2,3-Trimethylbenzene	4.0	0.04	C-9 to C-10	64.0	0.59	
n-Undecane	14.8	0.14	C-10 to C-11	17.1	0.16	
Naphthalene	109	1.0	C-11 to C-12	371	3.4	

Log # 6760			Sample Name: M34, 3-3		Sample Date: 3/21/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	51.7	0.86	<C-6	661	11.0	
Benzene	10.1	0.17	C-6 to C-7	1,036	17.3	
Ethylbenzene	40.1	0.67	C-7 to C-8	0.0	0.00	
1,3,5-Trimethylbenzene	4.7	0.08	C-8 to C-9	47.9	0.80	
n-Decane	12.5	0.21	C-9 to C-10	102	1.7	
1,2,3-Trimethylbenzene	7.0	0.12	C-10 to C-11	25.5	0.43	
n-Undecane	4.9	0.08	C-11 to C-12	44.4	0.74	
Naphthalene	11.3	0.19				

FEW AFB Soil Methanol Extract  
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Log # 6761			Sample Name: M34, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	156	3.9	<C-6	313	7.9	
2,4-Dimethylpentane	67.7	1.7	C-6 to C-7	373	9.4	
Benzene	2.1	0.05	C-7 to C-8	48.0	1.2	
n-Heptane	7.7	0.19	C-8 to C-9	101	2.6	
Toluene	21.6	0.55	C-9 to C-10	98.3	2.5	
n-Octane	5.4	0.14	C-10 to C-11	45.0	1.1	
Ethylbenzene	6.3	0.16	C-11 to C-12	41.5	1.0	
p-Xylene	57.9	1.5				
Nonane	4.4	0.11				
n-Propylbenzene	2.2	0.06				
1,3,5-Trimethylbenzene	5.8	0.15				
n-Decane	11.8	0.30				
1,2,3-Trimethylbenzene	22.6	0.57				
n-Undecane	7.8	0.20				

Log # 6762			Sample Name: M34, 2-1		Sample Date: 3/21/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	54.0	1.3	<C-6	115	2.8	
Benzene	12.0	0.29	C-6 to C-7	556	13.4	
Toluene	7.6	0.18	C-7 to C-8	10.3	0.25	
Ethylbenzene	50.8	1.2	C-8 to C-9	65.1	1.6	
Nonane	6.1	0.15	C-9 to C-10	102	2.5	
1,3,5-Trimethylbenzene	5.9	0.14	C-10 to C-11	64.1	1.5	
n-Decane	15.1	0.36	C-11 to C-12	50.3	1.2	
1,2,3-Trimethylbenzene	10.1	0.24				
n-Undecane	11.7	0.28				

Log # 6763			Sample Name: M34, 1-4		Sample Date: 3/21/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	30.9	0.71	<C-6	588	13.4	
Benzene	4.9	0.11	C-6 to C-7	1,098	25.1	
n-Octane	5.4	0.12	C-7 to C-8	0.0	0.0	
p-Xylene	60.2	1.4	C-8 to C-9	79.3	1.8	
Nonane	6.6	0.15	C-9 to C-10	151	3.4	
1,3,5-Trimethylbenzene	9.1	0.21	C-10 to C-11	40.3	0.92	
1,2,4-Trimethylbenzene	877	20.0	C-11 to C-12	44.1	1.0	
n-Decane	23.0	0.52				
1,2,3-Trimethylbenzene	10.8	0.25				
n-Undecane	16.2	0.37				



FEW AFB Soil Methanol Extract  
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Log # 6764 *			Sample Name: M34, 1-3		Sample Date: 3/21/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	3.0	0.06	<C-6	0.0	0.0	
n-Decane	1.5	0.03	C-6 to C-7	2.6	0.06	
n-Undecane	0.84	0.02	C-7 to C-8	0.0	0.0	
			C-8 to C-9	0.0	0.0	
			C-9 to C-10	1.1	0.02	
			C-10 to C-11	1.3	0.03	
			C-11 to C-12	1.1	0.02	

Log # 6765			Sample Name: M34, 1-2		Sample Date: 3/21/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	83.8	2.5	<C-6	1,016	29.7	
Benzene	19.4	0.57	C-6 to C-7	1,204	35.2	
n-Heptane	41.2	1.2	C-7 to C-8	62.0	1.8	
Toluene	2.5	0.07	C-8 to C-9	217	6.3	
n-Octane	55.8	1.6	C-9 to C-10	772	22.6	
Ethylbenzene	6.4	0.19	C-10 to C-11	2,569	75.1	
Nonane	138	4.0	C-11 to C-12	1,286	37.6	
n-Propylbenzene	39.3	1.1				
1,3,5-Trimethylbenzene	247	7.2				
n-Decane	671	19.6				
1,2,3-Trimethylbenzene	251	7.3				
n-Butylbenzene	278	8.1				
n-Undecane	547	16.0				
Naphthalene	10.7	0.31				

Log # 6766			Sample Name: M14, 3-3		Sample Date: 3/21/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	128.2	1.3	<C-6	0.0	0.0	
Ethylbenzene	17.7	0.18	C-6 to C-7	114	1.2	
n-Decane	9.6	0.10	C-7 to C-8	0.0	0.0	
n-Undecane	7.3	0.08	C-8 to C-9	21.2	0.22	
			C-9 to C-10	30.2	0.31	
			C-10 to C-11	13.5	0.14	
			C-11 to C-12	20.1	0.21	

\* This compound had no solvent peak. Results may be questionable!

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6767			Sample Name: M14, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	36.9	0.52	<C-6	0.0	0.0	
2,4-Dimethylpentane	82.0	1.1	C-6 to C-7	102	1.4	
Ethylbenzene	5.5	0.08	C-7 to C-8	0.0	0.0	
n-Decane	2.8	0.04	C-8 to C-9	6.6	0.09	
n-Undecane	1.4	0.02	C-9 to C-10	8.2	0.11	
			C-10 to C-11	4.0	0.06	
			C-11 to C-12	1.9	0.03	

Log # 6768			Sample Name: M14, 1-3		Sample Date: 3/21/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	23.5	0.34	<C-6	0.0	0.0	
Ethylbenzene	2.0	0.03	C-6 to C-7	68.1	0.99	
n-Decane	0.56	0.01	C-7 to C-8	0.0	0.0	
			C-8 to C-9	2.4	0.04	
			C-9 to C-10	4.9	0.07	
			C-10 to C-11	0.50	0.01	
			C-11 to C-12	0.00	0.00	

Log # 6769			Sample Name: M14, 1-2		Sample Date: 3/21/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	49.3	1.7	<C-6	24.6	0.84	
Benzene	13.2	0.45	C-6 to C-7	282	9.6	
Toluene	0.9	0.03	C-7 to C-8	1.2	0.04	
p-Xylene	39.2	1.3	C-8 to C-9	49.0	1.7	
Nonane	5.5	0.19	C-9 to C-10	113	3.8	
1,3,5-Trimethylbenzene	10.8	0.37	C-10 to C-11	87.9	3.0	
n-Decane	32.5	1.11	C-11 to C-12	60.9	2.1	
1,2,3-Trimethylbenzene	9.0	0.31				
n-Butylbenzene	13.0	0.44				
n-Undecane	33.7	1.1				

FEW AFB Soil Methanol Extract  
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Log # 6770			Sample Name: M22, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	35.8	0.88	<C-6	51.2	1.3	
n-Hexane	6.6	0.16	C-6 to C-7	82.1	2.0	
2,4-Dimethylpentane	54.1	1.3	C-7 to C-8	12.3	0.30	
Benzene	10.5	0.26	C-8 to C-9	47.6	1.2	
Toluene	9.1	0.22	C-9 to C-10	64.4	1.6	
n-Octane	6.5	0.16	C-10 to C-11	141	3.5	
Ethylbenzene	1.5	0.04	C-11 to C-12	21.6	0.53	
Nonane	10.0	0.25				
1,3,5-Trimethylbenzene	5.0	0.12				
n-Decane	26.5	0.65				
1,2,3-Trimethylbenzene	100	2.5				
n-Butylbenzene	4.3	0.11				
n-Undecane	12.9	0.32				
Naphthalene	2.2	0.05				

Log # 6771			Sample Name: M19, 4-3		Sample Date: 3/21/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	48.6	1.0	<C-6	50.4	1.1	
n-Hexane	23.8	0.50	C-6 to C-7	97.7	2.1	
2,4-Dimethylpentane	42.8	0.91	C-7 to C-8	58.0	1.2	
Benzene	3.3	0.07	C-8 to C-9	98.1	2.1	
n-Heptane	25.2	0.53	C-9 to C-10	139	2.9	
Toluene	9.8	0.21	C-10 to C-11	158	3.3	
n-Octane	30.5	0.65	C-11 to C-12	118	2.5	
Ethylbenzene	1.7	0.04				
Nonane	32.4	0.68				
n-Propylbenzene	7.5	0.16				
1,3,5-Trimethylbenzene	16.1	0.34				
n-Decane	54.9	1.2				
1,2,3-Trimethylbenzene	21.3	0.45				
n-Undecane	39.9	0.84				

Log # 6772			Sample Name: M19, 4-2		Sample Date: 3/21/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	2.4	0.03	<C-6	0.0	0.00	
2,4-Dimethylpentane	60.8	0.73	C-6 to C-7	68.9	0.83	
Benzene	9.4	0.11	C-7 to C-8	0.0	0.00	
Ethylbenzene	41.3	0.50	C-8 to C-9	49.3	0.59	
1,3,5-Trimethylbenzene	5.5	0.07	C-9 to C-10	109	1.31	
1,2,4-Trimethylbenzene	661	8.0	C-10 to C-11	24.2	0.29	
n-Decane	14.8	0.18	C-11 to C-12	7.2	0.09	
1,2,3-Trimethylbenzene	6.4	0.08				
n-Undecane	5.5	0.07				

FEW AFB Soil Methanol Extract  
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Log # 6773			Sample Name: M19, 4-1		Sample Date: 3/21/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	6.3	0.08	<C-6	0.0	0.0	
2,4-Dimethylpentane	41.0	0.51	C-6 to C-7	57.6	0.71	
Toluene	3.2	0.04	C-7 to C-8	4.4	0.05	
p-Xylene	26.8	0.33	C-8 to C-9	33.6	0.41	
1,3,5-Trimethylbenzene	3.0	0.04	C-9 to C-10	68.4	0.84	
n-Decane	11.2	0.14	C-10 to C-11	18.7	0.23	
1,2,3-Trimethylbenzene	5.2	0.06	C-11 to C-12	11.0	0.14	
n-Undecane	7.2	0.09				

Log # 6774			Sample Name: M19, 2-3		Sample Date: 3/21/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.4	0.09	<C-6	0.0	0.0	
2,4-Dimethylpentane	35.0	0.57	C-6 to C-7	82.2	1.3	
Benzene	10.2	0.17	C-7 to C-8	15.5	0.25	
n-Heptane	3.3	0.05	C-8 to C-9	36.6	0.59	
Toluene	2.6	0.04	C-9 to C-10	60.7	0.98	
n-Octane	4.3	0.07	C-10 to C-11	33.5	0.54	
Ethylbenzene	26.0	0.42	C-11 to C-12	22.1	0.36	
Nonane	5.2	0.08				
n-Decane	14.7	0.24				
1,2,3-Trimethylbenzene	8.9	0.14				
n-Undecane	14.1	0.23				

Log # 6775			Sample Name: M19, 2-2		Sample Date: 3/21/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	8.7	0.20	<C-6	16.6	0.39	
2,4-Dimethylpentane	73.1	1.7	C-6 to C-7	151	3.6	
n-Heptane	6.9	0.16	C-7 to C-8	13.0	0.31	
Toluene	1.2	0.03	C-8 to C-9	32.1	0.76	
n-Octane	5.6	0.13	C-9 to C-10	50.4	1.2	
Ethylbenzene	23.4	0.55	C-10 to C-11	21.0	0.50	
n-Decane	12.5	0.30	C-11 to C-12	17.9	0.42	
1,2,3-Trimethylbenzene	6.8	0.16				
n-Undecane	11.0	0.26				

FEW AFB Soil Methanol Extract  
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Log # 6776			Sample Name: M24, 3-4		Sample Date: 3/21/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	6.0	0.07	<C-6	0.0	0.0	
2,4-Dimethylpentane	13.0	0.16	C-6 to C-7	29.8	0.36	
Benzene	3.0	0.04	C-7 to C-8	2.0	0.02	
Toluene	1.5	0.02	C-8 to C-9	37.1	0.45	
Ethylbenzene	31.1	0.37	C-9 to C-10	73.9	0.89	
1,3,5-Trimethylbenzene	0.88	0.01	C-10 to C-11	0.0	0.00	
n-Undecane	2.9	0.03	C-11 to C-12	14.8	0.18	

Log # 6777			Sample Name: M24, 3-2		Sample Date: 3/21/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	50.9	1.2	<C-6	65.4	1.6	
n-Hexane	3.1	0.08	C-6 to C-7	349	8.5	
2,4-Dimethylpentane	35.9	0.87	C-7 to C-8	0.0	0.0	
Benzene	1.3	0.03	C-8 to C-9	19.6	0.48	
Ethylbenzene	16.5	0.40	C-9 to C-10	32.3	0.78	
n-Decane	6.4	0.16	C-10 to C-11	10.6	0.26	
1,2,3-Trimethylbenzene	4.9	0.12	C-11 to C-12	26.1	0.63	
n-Undecane	7.8	0.19				

Log # 6778			Sample Name: M33, 4-3		Sample Date: 3/20/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	8.1	0.11	<C-6	0.0	0.0	
2,4-Dimethylpentane	46.3	0.65	C-6 to C-7	71.6	1.0	
Benzene	6.7	0.09	C-7 to C-8	20.3	0.29	
n-Heptane	2.8	0.04	C-8 to C-9	59.5	0.84	
Toluene	12.4	0.17	C-9 to C-10	82.3	1.2	
n-Octane	4.0	0.06	C-10 to C-11	29.6	0.42	
Ethylbenzene	1.7	0.02	C-11 to C-12	21.2	0.30	
Nonane	6.5	0.09				
n-Propylbenzene	6.0	0.08				
1,3,5-Trimethylbenzene	3.1	0.04				
n-Decane	17.4	0.24				
1,2,3-Trimethylbenzene	6.5	0.09				
n-Butylbenzene	6.5	0.09				
n-Undecane	16.2	0.23				

FEW AFB Soil Methanol Extract  
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Log # 6779			Sample Name: M33, 4-2		Sample Date: 3/20/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.9	0.06	<C-6	0.0	0.0	
2,4-Dimethylpentane	47.6	0.47	C-6 to C-7	60.5	0.60	
Benzene	3.9	0.04	C-7 to C-8	0.0	0.0	
Ethylbenzene	15.5	0.15	C-8 to C-9	18.5	0.18	
1,3,5-Trimethylbenzene	8.1	0.08	C-9 to C-10	56.8	0.56	
n-Decane	23.6	0.23	C-10 to C-11	114	1.1	
n-Butylbenzene	18.9	0.19	C-11 to C-12	328	3.3	
n-Undecane	113	1.1				

Log # 6780			Sample Name: M33, 4-1		Sample Date: 3/20/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.7	0.06	<C-6	0.0	0.00	
2,4-Dimethylpentane	55.0	0.58	C-6 to C-7	67.6	0.71	
Benzene	4.1	0.04	C-7 to C-8	2.2	0.02	
Toluene	1.6	0.02	C-8 to C-9	29.3	0.31	
Ethylbenzene	24.5	0.26	C-9 to C-10	56.5	0.59	
n-Decane	8.0	0.08	C-10 to C-11	11.7	0.12	
1,2,3-Trimethylbenzene	2.6	0.03	C-11 to C-12	25.2	0.26	
n-Undecane	8.4	0.09				

Log # 6781			Sample Name: M33, 2-3		Sample Date: 3/20/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	8.0	0.10	<C-6	0.0	0.00	
2,4-Dimethylpentane	53.3	0.64	C-6 to C-7	91.5	1.1	
Benzene	2.2	0.03	C-7 to C-8	35.6	0.43	
n-Heptane	6.1	0.07	C-8 to C-9	82.3	0.99	
Toluene	3.1	0.04	C-9 to C-10	124	1.5	
n-Octane	5.3	0.06	C-10 to C-11	86.0	1.0	
Ethylbenzene	60.0	0.72	C-11 to C-12	96.7	1.2	
1,3,5-Trimethylbenzene	12.5	0.15				
n-Decane	20.9	0.25				
1,2,3-Trimethylbenzene	17.4	0.21				
n-Butylbenzene	16.5	0.20				
n-Undecane	33.7	0.41				

FEW AFB Soil Methanol Extract  
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Log # 6782			Sample Name: M33, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	49.4	0.99	<C-6	61.8	1.2	
2,4-Dimethylpentane	47.3	0.94	C-6 to C-7	383	7.7	
Benzene	2.9	0.06	C-7 to C-8	87.1	1.7	
n-Heptane	34.1	0.68	C-8 to C-9	79.7	1.6	
Toluene	9.1	0.18	C-9 to C-10	110	2.2	
n-Octane	18.7	0.37	C-10 to C-11	19.9	0.40	
Ethylbenzene	47.5	0.95	C-11 to C-12	24.8	0.49	
Nonane	5.1	0.10				
1,3,5-Trimethylbenzene	6.3	0.13				
n-Decane	12.4	0.25				
1,2,3-Trimethylbenzene	5.7	0.11				
n-Undecane	6.4	0.13				

Log # 6783			Sample Name: M33, 1-2		Sample Date: 3/20/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	5.4	0.12	<C-6	0.00	0.0	
2,4-Dimethylpentane	47.6	1.1	C-6 to C-7	123	2.8	
Benzene	2.3	0.05	C-7 to C-8	782	18.1	
n-Heptane	0.0	0.00	C-8 to C-9	2,094	48.5	
Toluene	145	3.4	C-9 to C-10	2,556	59.2	
n-Octane	195	4.5	C-10 to C-11	3,842	89.0	
Ethylbenzene	148	3.4	C-11 to C-12	6,159	143	
p-Xylene	136	3.1				
Nonane	241	5.6				
n-Propylbenzene	305	7.1				
1,3,5-Trimethylbenzene	622	14.4				
n-Decane	302	7.0				
1,2,3-Trimethylbenzene	371	8.6				
n-Butylbenzene	269	6.2				
n-Undecane	732	17.0				

Log # 6784			Sample Name: M33, 1-1		Sample Date: 3/20/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	6.1	0.14	<C-6	0.00	0.00	
2,4-Dimethylpentane	54.5	1.2	C-6 to C-7	367	8.1	
Benzene	0.39	0.01	C-7 to C-8	2,856	63.2	
n-Heptane	19.7	0.44	C-8 to C-9	5,105	113	
Toluene	455	10.1	C-9 to C-10	5,264	116	
n-Octane	219	4.8	C-10 to C-11	6,535	145	
Ethylbenzene	396	8.8	C-11 to C-12	7,779	172	
p-Xylene	356	7.9				
Nonane	621	13.7				
n-Propylbenzene	645	14.3				
1,3,5-Trimethylbenzene	1,194	26.4				
n-Decane	594	13.1				
1,2,3-Trimethylbenzene	698	15.4				
n-Butylbenzene	622	13.8				
n-Undecane	1,226	27.1				

FEW AFB Soil Methanol Extract  
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Log # 6785			Sample Name: M32, 3-2		Sample Date: 3/20/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	3.9	0.06	<C-6	0.00	0.00	
2,4-Dimethylpentane	71.1	1.0	C-6 to C-7	75.9	1.1	
Benzene	5.7	0.08	C-7 to C-8	0.0	0.00	
p-Xylene	44.8	0.65	C-8 to C-9	69.2	1.0	
1,3,5-Trimethylbenzene	22.0	0.32	C-9 to C-10	137	2.0	
n-Decane	13.9	0.20	C-10 to C-11	92.4	1.3	
1,2,3-Trimethylbenzene	9.7	0.14	C-11 to C-12	206	3.0	
n-Butylbenzene	19.6	0.28				
n-Undecane	52.6	0.76				

Log # 6786			Sample Name: M32, 3-1		Sample Date: 3/20/95	
			Depth (ft): 3.5 to 4.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	1.3	0.04	<C-6	0.00	0.0	
2,4-Dimethylpentane	57.8	1.5	C-6 to C-7	59.2	1.6	
Benzene	5.0	0.13	C-7 to C-8	0.0	0.0	
p-Xylene	81.0	2.1	C-8 to C-9	58.6	1.5	
1,3,5-Trimethylbenzene	8.8	0.23	C-9 to C-10	131.6	3.5	
n-Decane	10.2	0.27	C-10 to C-11	24.2	0.64	
1,2,3-Trimethylbenzene	6.1	0.16	C-11 to C-12	31.1	0.82	
n-Butylbenzene	2.4	0.06				
n-Undecane	3.4	0.09				

Log # 6787			Sample Name: M32, 2-1		Sample Date: 3/20/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	232	4.1	<C-6	0.0	0.0	
p-Xylene	32.8	0.58	C-6 to C-7	252	4.4	
1,3,5-Trimethylbenzene	0.16	0.0	C-7 to C-8	0.0	0.0	
			C-8 to C-9	41.0	0.72	
			C-9 to C-10	83.3	1.5	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	16.8	0.30	



FEW AFB Soil Methanol Extract  
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Log # 6788

Sample Name: M32, 1-3

Sample Date: 3/20/95

Depth (ft): 6.5 to 7.0

Compound	Mass (ng)	Concentration (µg/g dry wt)
2,4-Dimethylpentane	130	1.8
Toluene	5.2	0.07
p-Xylene	32.2	0.45
1,3,5-Trimethylbenzene	5.3	0.07
n-Decane	8.6	0.12
1,2,3-Trimethylbenzene	5.6	0.08
n-Undecane	4.3	0.06

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.00
C-6 to C-7	116	1.6
C-7 to C-8	7.1	0.10
C-8 to C-9	40.3	0.57
C-9 to C-10	89.1	1.2
C-10 to C-11	26.4	0.37
C-11 to C-12	8.8	0.12

Log # 6789

Sample Name: M32, 1-2

Sample Date: 3/20/95

Depth (ft): 7.0 to 7.5

Compound	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	16.9	0.27
Toluene	0.85	0.01
p-Xylene	34.5	0.56
1,3,5-Trimethylbenzene	0.60	0.01

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.0	0.00
C-6 to C-7	50.9	0.82
C-7 to C-8	1.2	0.02
C-8 to C-9	43.2	0.70
C-9 to C-10	90.7	1.46
C-10 to C-11	0.0	0.00
C-11 to C-12	0.0	0.00

Log # 6790

Sample Name: M32, 1-1

Sample Date: 3/20/95

Depth (ft): 7.5 to 8.0

Compound	Mass (ng)	Concentration (µg/g dry wt)
n-Hexane	24.3	0.38
2,4-Dimethylpentane	53.6	0.83
Toluene	4.6	0.07
p-Xylene	30.8	0.48
1,3,5-Trimethylbenzene	0.48	0.01

Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)
<C-6	0.00	0.00
C-6 to C-7	67.7	1.1
C-7 to C-8	6.2	0.10
C-8 to C-9	38.6	0.60
C-9 to C-10	74.3	1.2
C-10 to C-11	0.00	0.00
C-11 to C-12	1.9	0.03

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6791			Sample Name: M31, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	58.1	1.3	<C-6	0.00	0.00	
2,4-Dimethylpentane	109	2.5	C-6 to C-7	143	3.2	
n-Heptane	9.3	0.21	C-7 to C-8	12.2	0.28	
Toluene	3.5	0.08	C-8 to C-9	212	4.8	
n-Octane	15.1	0.34	C-9 to C-10	314	7.1	
p-Xylene	160	3.6	C-10 to C-11	36.4	0.83	
1,3,5-Trimethylbenzene	2.6	0.06	C-11 to C-12	0.00	0.00	
n-Decane	23.2	0.53				
1,2,3-Trimethylbenzene	15.8	0.36				

Log # 6792			Sample Name: M31, 4-3		Sample Date: 3/20/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	148	4.0	<C-6	0.00	0.00	
2,4-Dimethylpentane	218	5.8	C-6 to C-7	340	9.1	
Toluene	0.54	0.01	C-7 to C-8	3.0	0.08	
p-Xylene	148	4.0	C-8 to C-9	185	4.9	
1,3,5-Trimethylbenzene	0.45	0.01	C-9 to C-10	283	7.6	
			C-10 to C-11	0.00	0.00	
			C-11 to C-12	0.00	0.00	

Log # 6793			Sample Name: M31, 4-2		Sample Date: 3/20/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	68.9	1.7	<C-6	0.0	0.0	
p-Xylene	139	3.5	C-6 to C-7	60.7	1.5	
1,3,5-Trimethylbenzene	0.84	0.02	C-7 to C-8	0.0	0.0	
			C-8 to C-9	174	4.4	
			C-9 to C-10	284	7.1	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	0.0	0.0	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6794			Sample Name: M31, 2-4		Sample Date: 3/20/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	109	1.6	<C-6	0.00	0.00	
p-Xylene	106	1.5	C-6 to C-7	96.2	1.4	
1,3,5-Trimethylbenzene	0.38	0.01	C-7 to C-8	0.00	0.0	
n-Undecane	2.4	0.03	C-8 to C-9	133	1.9	
			C-9 to C-10	217	3.2	
			C-10 to C-11	0.00	0.00	
			C-11 to C-12	3.1	0.05	

Log # 6795			Sample Name: M31, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	102	1.8	<C-6	0.00	0.00	
Toluene	0.88	0.02	C-6 to C-7	90.9	1.6	
p-Xylene	116	2.0	C-7 to C-8	1.19	0.02	
1,3,5-Trimethylbenzene	4.4	0.08	C-8 to C-9	145	2.5	
			C-9 to C-10	246	4.3	
			C-10 to C-11	0.00	0.00	
			C-11 to C-12	0.00	0.00	

Log # 6796			Sample Name: M31, 2-1		Sample Date: 3/20/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	44.5	0.51	<C-6	0.00	0.00	
2,4-Dimethylpentane	57.5	0.66	C-6 to C-7	86.8	0.99	
p-Xylene	129	1.5	C-7 to C-8	0.00	0.00	
1,3,5-Trimethylbenzene	2.3	0.03	C-8 to C-9	161	1.8	
n-Decane	20.5	0.23	C-9 to C-10	286	3.3	
1,2,3-Trimethylbenzene	13.9	0.16	C-10 to C-11	32.1	0.37	
n-Undecane	2.8	0.03	C-11 to C-12	3.7	0.04	

FEW AFB Soil Metanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6797			Sample Name: M31, 1-2		Sample Date: 3/20/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	104	2.1	<C-6	0.00	0.00	
p-Xylene	96.9	2.0	C-6 to C-7	92.0	1.9	
1,3,5-Trimethylbenzene	1.9	0.04	C-7 to C-8	0.00	0.00	
n-Decane	17.1	0.35	C-8 to C-9	121	2.5	
1,2,3-Trimethylbenzene	11.2	0.23	C-9 to C-10	218	4.4	
n-Undecane	3.6	0.07	C-10 to C-11	26.4	0.54	
Naphthalene	1.8	0.04	C-11 to C-12	5.6	0.11	

Log # 6798			Sample Name: M31, 1-1		Sample Date: 3/20/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	105	1.6	<C-6	0.00	0.00	
p-Xylene	79.9	1.2	C-6 to C-7	92.9	1.4	
1,3,5-Trimethylbenzene	0.23	0.00	C-7 to C-8	0.00	0.00	
n-Undecane	2.9	0.05	C-8 to C-9	99.9	1.6	
			C-9 to C-10	168	2.6	
			C-10 to C-11	0.00	0.00	
			C-11 to C-12	3.8	0.06	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6800			Sample Name: M10, 3-1		Sample Date: 3/20/95	
			Depth (ft): 3.5 to 4.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	130	3.1	<C-6	0.00	0.00	
2,4-Dimethylpentane	112	2.7	C-6 to C-7	206	5.0	
n-Heptane	4.7	0.11	C-7 to C-8	11.9	0.29	
Toluene	6.0	0.15	C-8 to C-9	86.2	2.1	
p-Xylene	68.93	1.7	C-9 to C-10	149	3.6	
1,3,5-Trimethylbenzene	1.6	0.04	C-10 to C-11	35.9	0.87	
n-Decane	19.8	0.48	C-11 to C-12	12.6	0.30	
1,2,3-Trimethylbenzene	11.9	0.29				
n-Undecane	9.6	0.23				

Log # 6801			Sample Name: M10, 1-3		Sample Date: 3/20/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	55.3	0.78	<C-6	73.6	1.0	
n-Hexane	6.3	0.09	C-6 to C-7	185	2.6	
2,4-Dimethylpentane	113	1.59	C-7 to C-8	77.8	1.1	
Benzene	11.1	0.16	C-8 to C-9	183	2.6	
Toluene	41.1	0.58	C-9 to C-10	219	3.1	
n-Octane	7.8	0.11	C-10 to C-11	88.0	1.2	
Ethylbenzene	7.9	0.11	C-11 to C-12	45.4	0.64	
p-Xylene	114	1.61				
Nonane	11.8	0.17				
1,3,5-Trimethylbenzene	12.3	0.17				
n-Decane	31.7	0.45				
1,2,3-Trimethylbenzene	38.9	0.55				
n-Butylbenzene	5.6	0.08				
n-Undecane	25.4	0.36				

Log # 6802			Sample Name: M10, 1-2		Sample Date: 3/20/95	
			Depth (ft): 7.0 to 7.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	282	5.6	<C-6	506	10.1	
2,4-Dimethylpentane	128	2.6	C-6 to C-7	211	4.2	
Benzene	0.93	0.02	C-7 to C-8	120	2.4	
n-Heptane	8.5	0.17	C-8 to C-9	290	5.8	
Toluene	39.5	0.79	C-9 to C-10	317	6.3	
n-Octane	11.3	0.23	C-10 to C-11	84.1	1.7	
Ethylbenzene	16.0	0.32	C-11 to C-12	41.5	0.83	
p-Xylene	180	3.6				
Nonane	5.6	0.11				
n-Propylbenzene	8.6	0.17				
1,3,5-Trimethylbenzene	4.2	0.08				
n-Decane	23.5	0.47				
1,2,3-Trimethylbenzene	54.5	1.1				
n-Undecane	16.0	0.32				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6803			Sample Name: M10, 1-1		Sample Date: 3/20/95	
			Depth (ft): 7.5 to 8.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	101	1.1	<C-6	0.00	0.00	
Toluene	1.1	0.01	C-6 to C-7	89.2	0.96	
p-Xylene	135	1.5	C-7 to C-8	1.5	0.02	
1,3,5-Trimethylbenzene	1.4	0.02	C-8 to C-9	169	1.8	
n-Undecane	3.8	0.04	C-9 to C-10	288	3.1	
			C-10 to C-11	0.00	0.00	
			C-11 to C-12	4.9	0.05	

Log # 6804			Sample Name: M11, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	104	0.98	<C-6	0.0	0.00	
p-Xylene	112	1.1	C-6 to C-7	91.3	0.87	
1,3,5-Trimethylbenzene	2.8	0.03	C-7 to C-8	0.0	0.00	
n-Decane	20.9	0.20	C-8 to C-9	140	1.3	
1,2,3-Trimethylbenzene	13.5	0.13	C-9 to C-10	256	2.4	
n-Undecane	4.2	0.04	C-10 to C-11	34.0	0.32	
			C-11 to C-12	5.5	0.05	

Log # 6805			Sample Name: M11, 4-3		Sample Date: 3/20/95	
			Depth (ft): 0.5 to 1.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	107	1.3	<C-6	0.00	0.00	
Toluene	1.1	0.01	C-6 to C-7	96.6	1.2	
p-Xylene	109	1.3	C-7 to C-8	1.5	0.02	
1,3,5-Trimethylbenzene	2.3	0.03	C-8 to C-9	136	1.6	
n-Decane	19.0	0.23	C-9 to C-10	250	3.0	
1,2,3-Trimethylbenzene	12.7	0.15	C-10 to C-11	29.6	0.36	
n-Undecane	4.3	0.05	C-11 to C-12	5.6	0.07	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6806			Sample Name: M11, 4-2		Sample Date: 3/20/95	
			Depth (ft): 1.0 to 1.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	39.1	0.38	<C-6	0.0	0.0	
2,4-Dimethylpentane	66.1	0.65	C-6 to C-7	110	1.1	
Toluene	8.5	0.08	C-7 to C-8	11.6	0.11	
p-Xylene	102	1.0	C-8 to C-9	156	1.5	
1,3,5-Trimethylbenzene	19.1	0.19	C-9 to C-10	220	2.2	
n-Decane	16.4	0.16	C-10 to C-11	116	1.1	
1,2,3-Trimethylbenzene	40.8	0.40	C-11 to C-12	75.8	0.74	
n-Butylbenzene	24.4	0.24				
n-Undecane	13.6	0.13				
Naphthalene	13.5	0.13				

Log # 6807			Sample Name: M11, 3-4		Sample Date: 3/20/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	65.3	0.66	<C-6	0.00	0.00	
Toluene	0.43	0.00	C-6 to C-7	66.7	0.67	
p-Xylene	95.6	0.97	C-7 to C-8	0.59	0.01	
1,3,5-Trimethylbenzene	2.7	0.03	C-8 to C-9	120	1.2	
1,2,3-Trimethylbenzene	27.5	0.28	C-9 to C-10	216	2.2	
n-Butylbenzene	3.9	0.04	C-10 to C-11	36.6	0.37	
n-Undecane	6.7	0.07	C-11 to C-12	25.2	0.25	

Log # 6808			Sample Name: M11, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	95.5	1.0	<C-6	0.00	0.00	
Toluene	1.0	0.01	C-6 to C-7	54.9	0.58	
p-Xylene	114	1.2	C-7 to C-8	1.4	0.01	
1,3,5-Trimethylbenzene	1.9	0.02	C-8 to C-9	143	1.5	
			C-9 to C-10	247	2.6	
			C-10 to C-11	0.00	0.00	
			C-11 to C-12	0.00	0.00	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6809*			Sample Name: M11, 2-1		Sample Date: 3/20/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
No Data Available			<C-6			
			C-6 to C-7			
			C-7 to C-8			
			C-8 to C-9			
			C-9 to C-10			
			C-10 to C-11			
			C-11 to C-12			

Log # 6810			Sample Name: M11, 1-4		Sample Date: 3/20/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	37.2	0.32	<C-6	0.00	0.00	
2,4-Dimethylpentane	62.1	0.53	C-6 to C-7	98.3	0.84	
n-Heptane	0.73	0.01	C-7 to C-8	5.5	0.05	
Toluene	3.6	0.03	C-8 to C-9	151	1.3	
p-Xylene	121	1.0	C-9 to C-10	273	2.3	
1,3,5-Trimethylbenzene	5.3	0.05	C-10 to C-11	45.8	0.39	
1,2,3-Trimethylbenzene	34.4	0.29	C-11 to C-12	33.6	0.29	
n-Butylbenzene	4.4	0.04				
n-Undecane	6.6	0.06				

Log # 6811			Sample Name: M12, 3-3		Sample Date: 3/20/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	105	1.3	<C-6	0.00	0.00	
Toluene	12.2	0.15	C-6 to C-7	92.6	1.2	
p-Xylene	104	1.3	C-7 to C-8	16.6	0.21	
1,3,5-Trimethylbenzene	0.38	0.00	C-8 to C-9	130	1.6	
			C-9 to C-10	224	2.8	
			C-10 to C-11	0.00	0.00	
			C-11 to C-12	0.00	0.00	



FEW AFB Soil Methanol Extract  
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Log # 6815			Sample Name: M13, 2-4		Sample Date: 3/20/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	61.0	0.89	<C-6	0.00	0.00	
2,4-Dimethylpentane	74.1	1.1	C-6 to C-7	156	2.3	
n-Heptane	7.3	0.11	C-7 to C-8	34.6	0.51	
Toluene	3.8	0.06	C-8 to C-9	98.1	1.4	
n-Octane	10.1	0.15	C-9 to C-10	177	2.6	
Ethylbenzene	5.4	0.08	C-10 to C-11	666	9.8	
p-Xylene	58.7	0.86	C-11 to C-12	1,206	17.7	
Nonane	12.4	0.18				
n-Propylbenzene	23.7	0.35				
1,3,5-Trimethylbenzene	11.6	0.17				
n-Decane	62.8	0.92				
1,2,3-Trimethylbenzene	55.8	0.82				
n-Butylbenzene	163	2.4				
n-Undecane	233	3.4				

Log # 6816			Sample Name: M13, 2-3		Sample Date: 3/20/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	61.3	1.0	<C-6	71.0	1.2	
n-Hexane	35.3	0.59	C-6 to C-7	234	3.9	
2,4-Dimethylpentane	86.5	1.4	C-7 to C-8	89.4	1.5	
Benzene	14.8	0.25	C-8 to C-9	157	2.6	
n-Heptane	36.2	0.60	C-9 to C-10	175	2.9	
Toluene	30.6	0.51	C-10 to C-11	258	4.3	
n-Octane	31.5	0.52	C-11 to C-12	335	5.6	
Ethylbenzene	14.4	0.24				
p-Xylene	74.3	1.2				
Nonane	26.7	0.44				
n-Propylbenzene	3.8	0.06				
1,3,5-Trimethylbenzene	6.3	0.11				
n-Decane	53.5	0.89				
1,2,3-Trimethylbenzene	34.9	0.58				
n-Butylbenzene	52.5	0.87				
n-Undecane	97.2	1.6				

Log # 6817			Sample Name: M15, 2-3		Sample Date: 3/20/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	56.6	0.72	<C-6	0.00	0.00	
2,4-Dimethylpentane	92.9	1.2	C-6 to C-7	140	1.8	
Benzene	8.6	0.11	C-7 to C-8	9.8	0.12	
Toluene	7.2	0.09	C-8 to C-9	157	2.0	
n-Octane	17.5	0.22	C-9 to C-10	437	5.6	
p-Xylene	96.9	1.2	C-10 to C-11	1261	16.0	
Nonane	48.7	0.62	C-11 to C-12	1325	16.9	
n-Propylbenzene	57.2	0.73				
1,3,5-Trimethylbenzene	147	1.9				
n-Decane	224	2.8				
1,2,3-Trimethylbenzene	146	1.9				
n-Butylbenzene	306	3.9				
n-Undecane	493	6.3				
Naphthalene	306	3.9				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6818			Sample Name: M15, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	100	1.1	<C-6	0.00	0.00	
p-Xylene	43.7	0.49	C-6 to C-7	88.2	0.99	
1,3,5-Trimethylbenzene	6.1	0.07	C-7 to C-8	0.0	0.00	
n-Decane	16.1	0.18	C-8 to C-9	54.6	0.62	
1,2,3-Trimethylbenzene	7.6	0.09	C-9 to C-10	110	1.2	
n-Butylbenzene	6.4	0.07	C-10 to C-11	43.0	0.48	
n-Undecane	10.8	0.12	C-11 to C-12	14.2	0.16	

Log # 6819			Sample Name: M16, 3-4		Sample Date: 3/20/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	51.5	1.4	<C-6	0.0	0.0	
2,4-Dimethylpentane	97.9	2.7	C-6 to C-7	525	14.3	
Benzene	10.7	0.29	C-7 to C-8	0.0	0.0	
p-Xylene	49.0	1.3	C-8 to C-9	67.7	1.8	
Nonane	6.1	0.17	C-9 to C-10	116	3.2	
1,3,5-Trimethylbenzene	6.6	0.18	C-10 to C-11	43.2	1.2	
n-Decane	20.2	0.55	C-11 to C-12	25.0	0.68	
1,2,3-Trimethylbenzene	12.8	0.35				
n-Undecane	19.1	0.52				

Log # 6820			Sample Name: M16, 3-3		Sample Date: 3/20/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	85.7	2.2	<C-6	88.9	2.2	
2,4-Dimethylpentane	144	3.6	C-6 to C-7	576	14.6	
Benzene	13.1	0.33	C-7 to C-8	99.7	2.5	
n-Heptane	14.2	0.36	C-8 to C-9	214	5.4	
Toluene	31.5	0.80	C-9 to C-10	184	4.7	
n-Octane	14.2	0.36	C-10 to C-11	158	4.0	
Ethylbenzene	13.3	0.34	C-11 to C-12	113	2.9	
p-Xylene	108	2.7				
Nonane	11.2	0.28				
n-Propylbenzene	4.2	0.11				
1,3,5-Trimethylbenzene	7.8	0.20				
n-Decane	28.9	0.73				
1,2,3-Trimethylbenzene	62.8	1.6				
n-Butylbenzene	14.6	0.37				
n-Undecane	38.5	0.97				
Naphthalene	13.8	0.35				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6821*			Sample Name: M16, 3-2		Sample Date: 3/20/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
No Data Available			<C-6			
			C-6 to C-7			
			C-7 to C-8			
			C-8 to C-9			
			C-9 to C-10			
			C-10 to C-11			
			C-11 to C-12			

Log # 6822			Sample Name: M17, 3-1		Sample Date: 3/20/95	
			Depth (ft): 3.5 to 4.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	85.5	1.3	<C-6	32.9	0.52	
Toluene	0.51	0.01	C-6 to C-7	152	2.4	
Ethylbenzene	35.1	0.55	C-7 to C-8	0.70	0.01	
1,3,5-Trimethylbenzene	0.56	0.01	C-8 to C-9	41.8	0.66	
1,2,4-Trimethylbenzene	513	8.0	C-9 to C-10	83.7	1.3	
n-Decane	9.0	0.14	C-10 to C-11	12.1	0.19	
1,2,3-Trimethylbenzene	4.2	0.07	C-11 to C-12	7.9	0.12	
n-Undecane	5.5	0.09				
Naphthalene	1.3	0.02				

Log # 6823			Sample Name: M17, 2-3		Sample Date: 3/20/95	
			Depth (ft): 4.5 to 5.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	36.0	0.27	<C-6	0.00	0.00	
2,4-Dimethylpentane	48.9	0.37	C-6 to C-7	73.0	0.55	
Toluene	6.9	0.05	C-7 to C-8	9.3	0.07	
Ethylbenzene	35.5	0.27	C-8 to C-9	42.4	0.32	
1,3,5-Trimethylbenzene	3.1	0.02	C-9 to C-10	604	4.6	
1,2,4-Trimethylbenzene	520.5	4.0	C-10 to C-11	11.7	0.09	
n-Decane	8.5	0.06	C-11 to C-12	4.9	0.04	
1,2,3-Trimethylbenzene	4.1	0.03				
n-Undecane	3.8	0.03				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6824			Sample Name: M18, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	38.2	0.51	<C-6	0.00	0.00	
2,4-Dimethylpentane	59.3	0.80	C-6 to C-7	155	2.1	
Toluene	2.4	0.03	C-7 to C-8	4.0	0.05	
Ethylbenzene	48.0	0.65	C-8 to C-9	57.3	0.77	
1,3,5-Trimethylbenzene	3.6	0.05	C-9 to C-10	109	1.5	
n-Decane	13.1	0.18	C-10 to C-11	17.9	0.24	
1,2,3-Trimethylbenzene	6.3	0.09	C-11 to C-12	13.9	0.19	
n-Undecane	10.6	0.14				

Log # 6825			Sample Name: M18, 3-3		Sample Date: 3/20/95	
			Depth (ft): 2.5 to 3.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	180	3.6	<C-6	186	3.8	
n-Hexane	14.5	0.29	C-6 to C-7	1,454	29.5	
2,4-Dimethylpentane	252	5.1	C-7 to C-8	89.3	1.8	
Toluene	6.2	0.13	C-8 to C-9	122	2.5	
n-Octane	21.3	0.43	C-9 to C-10	159	3.2	
Ethylbenzene	70.2	1.4	C-10 to C-11	32.4	0.66	
Nonane	4.3	0.09	C-11 to C-12	21.3	0.43	
1,3,5-Trimethylbenzene	6.7	0.14				
n-Decane	14.3	0.29				
1,2,3-Trimethylbenzene	19.5	0.40				
n-Undecane	16.3	0.33				

Log # 6826			Sample Name: M18, 3-2		Sample Date: 3/20/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	312	11.5	<C-6	554	20.4	
2,4-Dimethylpentane	204	7.5	C-6 to C-7	7,289	269	
Benzene	13.5	0.50	C-7 to C-8	63.6	2.3	
Toluene	1.8	0.07	C-8 to C-9	163	6.0	
n-Octane	85.2	3.1	C-9 to C-10	164	6.0	
p-Xylene	62.1	2.3	C-10 to C-11	44.6	1.6	
Nonane	48.4	1.8	C-11 to C-12	11.0	0.41	
n-Propylbenzene	2.1	0.08				
1,3,5-Trimethylbenzene	12.1	0.45				
n-Decane	21.4	0.79				
1,2,3-Trimethylbenzene	7.2	0.27				
n-Butylbenzene	9.8	0.36				
n-Undecane	8.4	0.31				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6827			Sample Name: M18, 1-4		Sample Date: 3/20/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	863	11.7	<C-6	0.00	0.00	
2,4-Dimethylpentane	242	3.3	C-6 to C-7	5,276	71.3	
Benzene	24.8	0.34	C-7 to C-8	188	2.5	
Toluene	11.5	0.16	C-8 to C-9	219	3.0	
n-Octane	92.4	1.2	C-9 to C-10	187	2.5	
Ethylbenzene	83.2	1.1	C-10 to C-11	69.2	0.93	
Nonane	25.2	0.34	C-11 to C-12	33.2	0.45	
1,3,5-Trimethylbenzene	19.5	0.26				
n-Decane	23.8	0.32				
1,2,3-Trimethylbenzene	19.4	0.26				
n-Butylbenzene	2.6	0.04				
n-Undecane	17.6	0.24				
Naphthalene	2.0	0.03				

Log # 6828			Sample Name: M25, 2-4		Sample Date: 3/20/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	101	1.8	<C-6	0.00	0.00	
Ethylbenzene	52.3	0.90	C-6 to C-7	96.7	1.7	
1,3,5-Trimethylbenzene	1.5	0.03	C-7 to C-8	0.00	0.00	
n-Undecane	3.8	0.07	C-8 to C-9	62.4	1.1	
			C-9 to C-10	123	2.1	
			C-10 to C-11	1.5	0.03	
			C-11 to C-12	5.0	0.09	

Log # 6829			Sample Name: M26, 1-3		Sample Date: 3/20/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	70.1	0.87	<C-6	0.00	0.00	
p-Xylene	47.1	0.58	C-6 to C-7	61.7	0.76	
1,3,5-Trimethylbenzene	0.73	0.01	C-7 to C-8	0.00	0.00	
n-Undecane	1.6	0.02	C-8 to C-9	58.9	0.73	
			C-9 to C-10	114	1.4	
			C-10 to C-11	1.1	0.01	
			C-11 to C-12	2.1	0.03	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6830			Sample Name: M27, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	149	1.7	<C-6	0.0	0.0	
2,4-Dimethylpentane	90.5	1.1	C-6 to C-7	205	2.4	
Toluene	2.5	0.03	C-7 to C-8	3.3	0.04	
Ethylbenzene	49.8	0.58	C-8 to C-9	59.5	0.69	
n-Undecane	3.0	0.04	C-9 to C-10	134.0	1.6	
			C-10 to C-11	0.0	0.0	
			C-11 to C-12	4.0	0.05	

Log # 6831			Sample Name: M27, 4-1		Sample Date: 3/20/95	
			Depth (ft): 1.5 to 2.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	89.8	1.7	<C-6	107	2.0	
2,4-Dimethylpentane	99.6	1.9	C-6 to C-7	219	4.1	
Benzene	11.4	0.21	C-7 to C-8	292	5.5	
n-Heptane	17.7	0.33	C-8 to C-9	717	13.4	
Toluene	122	2.3	C-9 to C-10	577	10.8	
n-Octane	26.7	0.50	C-10 to C-11	751	14.0	
Ethylbenzene	23.9	0.45	C-11 to C-12	1,160	21.7	
Nonane	11.2	0.21				
n-Propylbenzene	183	3.4				
1,3,5-Trimethylbenzene	85.6	1.6				
n-Decane	49.6	0.93				
1,2,3-Trimethylbenzene	134	2.5				
n-Butylbenzene	102	1.9				
n-Undecane	132	2.5				
Naphthalene	178	3.3				

Log # 6832			Sample Name: M27, 2-4		Sample Date: 3/20/95	
			Depth (ft): 4.0 to 4.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	62.3	0.90	<C-6	64.6	0.93	
n-Hexane	15.5	0.22	C-6 to C-7	127	1.8	
2,4-Dimethylpentane	96.0	1.38	C-7 to C-8	133	1.9	
Benzene	3.0	0.04	C-8 to C-9	388	5.6	
Toluene	77.3	1.11	C-9 to C-10	1,409	20.3	
n-Octane	8.1	0.12	C-10 to C-11	427	6.2	
Ethylbenzene	18.6	0.27	C-11 to C-12	652	9.4	
Nonane	4.7	0.07				
n-Propylbenzene	84.9	1.22				
1,3,5-Trimethylbenzene	55.4	0.80				
1,2,4-Trimethylbenzene	1,017	14.64				
n-Decane	32.6	0.47				
1,2,3-Trimethylbenzene	89.1	1.28				
n-Butylbenzene	101	1.45				
n-Undecane	64.5	0.93				
Naphthalene	109	1.57				

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6833			Sample Name: M27, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	49.6	1.2	<C-6	0.0	0.0	
2,4-Dimethylpentane	102	2.5	C-6 to C-7	130	3.1	
n-Heptane	12.6	0.30	C-7 to C-8	13.7	0.33	
Toluene	2.6	0.06	C-8 to C-9	116	2.8	
n-Octane	24.8	0.59	C-9 to C-10	229	5.5	
p-Xylene	78.1	1.9	C-10 to C-11	63.5	1.5	
Nonane	43.1	1.0	C-11 to C-12	144	3.5	
n-Propylbenzene	2.0	0.05				
1,3,5-Trimethylbenzene	4.6	0.11				
n-Decane	43.5	1.0				
1,2,3-Trimethylbenzene	15.9	0.38				
n-Butylbenzene	5.8	0.14				
n-Undecane	55.7	1.3				
Naphthalene	139	3.3				

Log # 6834			Sample Name: M30, 3-2		Sample Date: 3/20/95	
			Depth (ft): 3.0 to 3.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
n-Hexane	22.6	0.23	<C-6	0.0	0.0	
2,4-Dimethylpentane	41.7	0.43	C-6 to C-7	56.3	0.58	
Toluene	6.0	0.06	C-7 to C-8	8.2	0.08	
n-Octane	4.5	0.05	C-8 to C-9	76.5	0.78	
p-Xylene	58.5	0.60	C-9 to C-10	158	1.6	
Nonane	13.8	0.14	C-10 to C-11	27.8	0.28	
1,3,5-Trimethylbenzene	1.4	0.01	C-11 to C-12	28.8	0.29	
n-Decane	20.3	0.21				
1,2,3-Trimethylbenzene	8.4	0.09				
n-Butylbenzene	1.1	0.01				
n-Undecane	17.1	0.18				
Naphthalene	12.4	0.13				

Log # 6835			Sample Name: M30, 2-1		Sample Date: 3/20/95	
			Depth (ft): 5.5 to 6.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	61.8	0.80	<C-6	0.0	0.0	
Toluene	1.3	0.02	C-6 to C-7	54.4	0.70	
p-Xylene	49.4	0.64	C-7 to C-8	2.5	0.03	
1,3,5-Trimethylbenzene	2.0	0.03	C-8 to C-9	61.7	0.80	
			C-9 to C-10	122	1.58	
			C-10 to C-11	1.8	0.02	
			C-11 to C-12	0.0	0.0	

FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6836			Sample Name: M30, 1-4		Sample Date: 3/20/95	
			Depth (ft): 6.0 to 6.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	81.1	1.4	<C-6	0.0	0.0	
Toluene	10.0	0.17	C-6 to C-7	73.3	1.3	
p-Xylene	47.1	0.81	C-7 to C-8	13.6	0.23	
1,3,5-Trimethylbenzene	0.31	0.01	C-8 to C-9	58.9	1.0	
n-Undecane	0.78	0.01	C-9 to C-10	116	2.0	
			C-10 to C-11	0.56	0.01	
			C-11 to C-12	1.0	0.02	

Log # 6837			Sample Name: M30, 1-3		Sample Date: 3/20/95	
			Depth (ft): 6.5 to 7.0			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	54.7	0.91	<C-6	0.0	0.0	
Toluene	2.6	0.04	C-6 to C-7	48.1	0.80	
p-Xylene	43.1	0.71	C-7 to C-8	3.5	0.06	
1,3,5-Trimethylbenzene	0.62	0.01	C-8 to C-9	53.9	0.89	
n-Decane	11.8	0.20	C-9 to C-10	109	1.8	
1,2,3-Trimethylbenzene	5.8	0.10	C-10 to C-11	17.5	0.29	
n-Butylbenzene	0.50	0.01	C-11 to C-12	10.2	0.17	
n-Undecane	6.5	0.11				
Naphthalene	3.2	0.05				

Log # 6838			Sample Name: M23, 4-4		Sample Date: 3/20/95	
			Depth (ft): 0.0 to 0.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	118	2.2	<C-6	0.0	0.0	
n-Heptane	3.5	0.07	C-6 to C-7	104	2.0	
p-Xylene	54.1	1.0	C-7 to C-8	2.8	0.05	
1,3,5-Trimethylbenzene	1.2	0.02	C-8 to C-9	67.7	1.3	
n-Decane	14.7	0.28	C-9 to C-10	140	2.7	
1,2,3-Trimethylbenzene	7.6	0.14	C-10 to C-11	22.3	0.42	
n-Undecane	7.8	0.15	C-11 to C-12	11.3	0.21	
Naphthalene	2.3	0.04				



FEW AFB Soil Methanol Extract  
Specific Compound and Boiling Point P&T Data

Log # 6839			Sample Name: M23, 2-2		Sample Date: 3/20/95	
			Depth (ft): 5.0 to 5.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2,4-Dimethylpentane	92.6	0.78	<C-6	0.00	0.00	
Toluene	2.4	0.02	C-6 to C-7	52.6	0.44	
p-Xylene	75.3	0.64	C-7 to C-8	2.3	0.02	
1,3,5-Trimethylbenzene	1.5	0.01	C-8 to C-9	53.2	0.45	
n-Decane	9.1	0.08	C-9 to C-10	775	6.5	
1,2,3-Trimethylbenzene	8.5	0.07	C-10 to C-11	16.4	0.14	
n-Undecane	5.3	0.04	C-11 to C-12	9.7	0.08	
Naphthalene	0.77	0.01				

Log # 6840			Sample Name: M21, 3-4		Sample Date: 3/20/95	
			Depth (ft): 2.0 to 2.5			
Compound	Mass (ng)	Concentration (µg/g dry wt)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt)	
2-Methylpentane	188	3.4	<C-6	300	5.4	
n-Hexane	366	6.6	C-6 to C-7	1,212	21.9	
2,4-Dimethylpentane	82.7	1.5	C-7 to C-8	1,402	25.3	
Benzene	350	6.3	C-8 to C-9	509	9.2	
n-Heptane	1,040	18.8	C-9 to C-10	56.5	1.0	
Toluene	60.2	1.1	C-10 to C-11	6.9	0.12	
n-Octane	531	9.6	C-11 to C-12	5.1	0.09	
Ethylbenzene	2.0	0.04				
p-Xylene	40.9	0.74				
Nonane	18.6	0.34				
n-Decane	7.8	0.14				
n-Undecane	3.9	0.07				

**APPENDIX 4**

**FINAL SEMIVOLATILE HYDROCARBON SOIL RESULTS**

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**FEW AFB Soil Total Petroleum Hydrocarbon Results**  
**Methylene Chloride Soxhlet Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-12 to C-15 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/21/95	6728	M0, 1-3	6.5 to 7.0	Soxhlet	13.7	14.3
3/21/95	6727	M0, 1-4	6.0 to 6.5	Soxhlet	55.0	57.7
3/21/95	6726	M0, 3-2	3.0 to 3.5	Soxhlet	68.1	71.5
3/21/95	6725	M0, 3-3	2.5 to 3.0	Soxhlet	540	567
3/21/95	6731	M1, 1-1	7.5 to 8.0	Soxhlet	9.3	9.8
3/21/95	6730	M1, 2-3	4.5 to 5.0	Soxhlet	5.8	6.1
3/21/95	6729	M1, 4-1	1.5 to 2.0	Soxhlet	10.9	11.5
3/21/95	6736	M3, 1-4	6.0 to 6.5	Soxhlet	6.7	7.0
3/21/95	6735	M3, 2-2	5.0 to 5.5	Soxhlet	1.9	2.0
3/21/95	6734	M3, 2-3	4.5 to 5.0	Soxhlet	9.5	9.9
3/21/95	6733	M3, 4-1	1.5 to 2.0	Soxhlet	26.1	27.4
3/21/95	6732	M3, 4-2	1.0 to 1.5	Soxhlet	3.5	3.6
3/21/95	6737	M4, 3-4	2.0 to 2.5	Soxhlet	93.2	97.8
3/21/95	6740	M5, 2-3	4.5 to 5.0	Soxhlet	1.3	1.4
3/21/95	6739	M5, 2-4	4.0 to 4.5	Soxhlet	31.6	33.2
3/21/95	6738	M5, 4-1	1.5 to 2.0	Soxhlet	2.5	2.6
3/21/95	6742	M7, 2-1	5.5 to 6.0	Soxhlet	39.4	41.4
3/21/95	6741	M7, 4-2	1.0 to 1.5	Soxhlet	8.2	8.6
3/20/95	6803	M10, 1-1	7.5 to 8.0	Soxhlet	4.4	4.7
3/20/95	6802	M10, 1-2	7.0 to 7.5	Soxhlet	61.9	65.0
3/20/95	6801	M10, 1-3	6.5 to 7.0	Soxhlet	30.3	31.8
3/20/95	6800	M10, 3-1	3.5 to 4.0	Soxhlet	23.4	24.5
3/20/95	6799	M10, 3-3	2.5 to 3.0	Soxhlet	10.7	11.2
3/20/95	6810	M11, 1-4	6.0 to 6.5	Soxhlet	0.19	0.20
3/20/95	6809	M11, 2-1	5.5 to 6.0	Soxhlet	0.61	0.64
3/20/95	6808	M11, 2-2	5.0 to 5.5	Soxhlet	0.75	0.79
3/20/95	6807	M11, 3-4	2.0 to 2.5	Soxhlet	0.05	0.05
3/20/95	6806	M11, 4-2	1.0 to 1.5	Soxhlet	8.3	8.7
3/20/95	6805	M11, 4-3	0.5 to 1.0	Soxhlet	8.3	8.7
3/20/95	6804	M11, 4-4	0.0 to 0.5	Soxhlet	31.8	33.3
3/20/95	6812	M12, 1-3	6.5 to 7.0	Soxhlet	1.1	1.2
3/20/95	6811	M12, 3-3	2.5 to 3.0	Soxhlet	0.24	0.25
3/20/95	6816	M13, 2-3	4.5 to 5.0	Soxhlet	3.6	3.8
3/20/95	6815	M13, 2-4	4.0 to 4.5	Soxhlet	12.9	13.6
3/20/95	6814	M13, 4-1	1.5 to 2.0	Soxhlet	50.4	52.9
3/20/95	6813	M13, 4-2	1.0 to 1.5	Soxhlet	0.0	0.0
3/21/95	6769	M14, 1-2	7.0 to 7.5	Soxhlet	0.59	0.62
3/21/95	6768	M14, 1-3	6.5 to 7.0	Soxhlet	7.8	8.2
3/21/95	6767	M14, 3-2	3.0 to 3.5	Soxhlet	2.4	2.5
3/21/95	6766	M14, 3-3	2.5 to 3.0	Soxhlet	18.3	19.3
3/20/95	6818	M15, 2-2	5.0 to 5.5	Soxhlet	0.41	0.43
3/20/95	6817	M15, 2-3	4.5 to 5.0	Soxhlet	0.66	0.69
3/20/95	6821	M16, 3-2	3.0 to 3.5	Soxhlet	18.6	19.5
3/20/95	6820	M16, 3-3	2.5 to 3.0	Soxhlet	11.7	12.2
3/20/95	6819	M16, 3-4	2.0 to 2.5	Soxhlet	53.6	56.3
3/20/95	6823	M17, 2-3	4.5 to 5.0	Soxhlet	0.33	0.34
3/20/95	6822	M17, 3-1	3.5 to 4.0	Soxhlet	0.48	0.50
3/20/95	6827	M18, 1-4	6.0 to 6.5	Soxhlet	1.2	1.3
3/20/95	6826	M18, 3-2	3.0 to 3.5	Soxhlet	4.1	4.3
3/20/95	6825	M18, 3-3	2.5 to 3.0	Soxhlet	0.71	0.74
3/20/95	6824	M18, 4-4	0.0 to 0.5	Soxhlet	0.07	0.07

**FEW AFB Soil Total Petroleum Hydrocarbon Results**  
**Methylene Chloride Soxhlet Extraction Samples**

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-12 to C-15 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/21/95	6775	M19, 2-2	5.0 to 5.5	Soxhlet	95.9	101
3/21/95	6774	M19, 2-3	4.5 to 5.0	Soxhlet	17.1	17.9
3/21/95	6773	M19, 4-1	1.5 to 2.0	Soxhlet	55.0	57.8
3/21/95	6772	M19, 4-2	1.0 to 1.5	Soxhlet	297	312
3/21/95	6771	M19, 4-3	0.5 to 1.0	Soxhlet	178	187
3/20/95	6840	M21, 3-4	2.0 to 2.5	Soxhlet	0.51	0.53
3/21/95	6770	M22, 3-2	3.0 to 3.5	Soxhlet	1.6	1.6
3/20/95	6839	M23, 2-2	5.0 to 5.5	Soxhlet	6.6	6.9
3/20/95	6838	M23, 4-4	0.0 to 0.5	Soxhlet	4.0	4.2
3/21/95	6777	M24, 3-2	3.0 to 3.5	Soxhlet	3.5	3.7
3/21/95	6776	M24, 3-4	2.0 to 2.5	Soxhlet	3.4	3.6
3/20/95	6828	M25, 2-4	4.0 to 4.5	Soxhlet	1.7	1.7
3/20/95	6829	M26, 1-3	6.5 to 7.0	Soxhlet	0.63	0.66
3/20/95	6833	M27, 2-2	5.0 to 5.5	Soxhlet	32.2	33.8
3/20/95	6832	M27, 2-4	4.0 to 4.5	Soxhlet	107	112
3/20/95	6831	M27, 4-1	1.5 to 2.0	Soxhlet	274	288
3/20/95	6830	M27, 4-4	0.0 to 0.5	Soxhlet	1.4	1.5
3/21/95	6759	M28, 1-1	7.5 to 8.0	Soxhlet	24.3	25.5
3/21/95	6758	M28, 1-2	7.0 to 7.5	Soxhlet	20.1	21.1
3/21/95	6757	M28, 2-1	5.5 to 6.0	Soxhlet	32.2	33.8
3/21/95	6756	M28, 2-2	5.0 to 5.5	Soxhlet	39.7	41.7
3/21/95	6755	M28, 3-1	3.5 to 4.0	Soxhlet	14.2	14.9
3/21/95	6754	M28, 3-2	3.0 to 3.5	Soxhlet	109	114
3/21/95	6753	M28, 3-3	2.5 to 3.0	Soxhlet	143	151
3/21/95	6752	M28, 3-4	2.0 to 2.5	Soxhlet	1,400	1,470
3/21/95	6751	M29, 1-1	7.5 to 8.0	Soxhlet	14,738	15,475
3/21/95	6750	M29, 1-2	7.0 to 7.5	Soxhlet	118	124
3/21/95	6749	M29, 1-3	6.5 to 7.0	Soxhlet	43.1	45.3
3/21/95	6748	M29, 2-3	4.5 to 5.0	Soxhlet	38.2	40.1
3/21/95	6747	M29, 2-4	4.0 to 4.5	Soxhlet	23.5	24.7
3/21/95	6746	M29, 4-1	1.5 to 2.0	Soxhlet	19.0	19.9
3/21/95	6745	M29, 4-2	1.0 to 1.5	Soxhlet	3,553	3,731
3/21/95	6744	M29, 4-3	0.5 to 1.0	Soxhlet	17.0	17.8
3/21/95	6743	M29, 4-4	0.0 to 0.5	Soxhlet	14.6	15.3
3/20/95	6837	M30, 1-3	6.5 to 7.0	Soxhlet	7.5	7.8
3/20/95	6836	M30, 1-4	6.0 to 6.5	Soxhlet	6.1	6.4
3/20/95	6835	M30, 2-1	5.5 to 6.0	Soxhlet	5.1	5.3
3/20/95	6834	M30, 3-2	3.0 to 3.5	Soxhlet	6.3	6.6
3/20/95	6798	M31, 1-1	7.5 to 8.0	Soxhlet	11.3	11.9
3/20/95	6797	M31, 1-2	7.0 to 7.5	Soxhlet	22.8	24.0
3/20/95	6796	M31, 2-1	5.5 to 6.0	Soxhlet	0.72	0.76
3/20/95	6795	M31, 2-2	5.0 to 5.5	Soxhlet	8.2	8.6
3/20/95	6794	M31, 2-4	4.0 to 4.5	Soxhlet	13.2	13.9
3/20/95	6793	M31, 4-2	1.0 to 1.5	Soxhlet	4.9	5.1
3/20/95	6792	M31, 4-3	0.5 to 1.0	Soxhlet	5.1	5.3
3/20/95	6791	M31, 4-4	0.0 to 0.5	Soxhlet	4.0	4.2
3/20/95	6785	M32, 3-2	3.0 to 3.5	Soxhlet	3.3	3.5
3/20/95	6790	M32, 1-1	7.5 to 8.0	Soxhlet	11.4	11.9
3/20/95	6789	M32, 1-2	7.0 to 7.5	Soxhlet	0.35	0.37
3/20/95	6788	M32, 1-3	6.5 to 7.0	Soxhlet	0.95	1.0
3/20/95	6787	M32, 2-1	5.5 to 6.0	Soxhlet	1.3	1.4

FEW AFB Soil Total Petroleum Hydrocarbon Results  
Methylene Chloride Soxhlet Extraction Samples

Sample Date	UWRL Log #	Sample Name	Sample Depth (ft)	Sample Type	Concentration C-12 to C-15 (µg/g dry wt)	Concentration C-6 (µg/g dry wt)
3/20/95	6786	M32, 3-1	3.5 to 4.0	Soxhlet	1.4	1.5
3/20/95	6784	M33, 1-1	7.5 to 8.0	Soxhlet	221	233
3/20/95	6783	M33, 1-2	7.0 to 7.5	Soxhlet	58.6	61.5
3/20/95	6782	M33, 2-2	5.0 to 5.5	Soxhlet	18.0	18.9
3/20/95	6781	M33, 2-3	4.5 to 5.0	Soxhlet	7.6	8.0
3/20/95	6780	M33, 4-1	1.5 to 2.0	Soxhlet	0.27	0.28
3/20/95	6779	M33, 4-2	1.0 to 1.5	Soxhlet	2.5	2.6
3/20/95	6778	M33, 4-3	0.5 to 1.0	Soxhlet	2.2	2.3
3/21/95	6765	M34, 1-2	7.0 to 7.5	Soxhlet	22.0	23.1
3/21/95	6764	M34, 1-3	6.5 to 7.0	Soxhlet	14.4	15.1
3/21/95	6763	M34, 1-4	6.0 to 6.5	Soxhlet	48.4	50.8
3/21/95	6762	M34, 2-1	5.5 to 6.0	Soxhlet	35.2	37.0
3/21/95	6761	M34, 3-2	3.0 to 3.5	Soxhlet	58.9	61.8
3/21/95	6760	M34, 3-3	2.5 to 3.0	Soxhlet	6.4	6.7

(Soil MetCl Soxhlet Samples)

SOX 6725			M0, 3-3		Date Sampled 3/21/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnapthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1,047	576
n-Pentadecane	0.0	0.0			
SOX 6726			M0, 3-2		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnapthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	137.0	72.6
n-Pentadecane	0.0	0.0			
SOX 6727			M0, 1-4		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnapthalene	0.0	0.0	C-14 to C-15	1.3	0.8
n-Tetradecane	0.0	0.0	>C-15	101.0	57.9
n-Pentadecane	0.0	0.0			
SOX 6728			M0, 1-3		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnapthalene	0.0	0.0	C-14 to C-15	17.2	10.3
n-Tetradecane	0.0	0.0	>C-15	7.1	4.3
n-Pentadecane	1.1	0.7			
SOX 6729			M1, 4-1		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.4	0.2
1-Methylnapthalene	0.4	0.2	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	22.0	11.4
n-Pentadecane	22.0	11.4			

## (Soil MetCl Soxhlet Samples)

SOX 6730			M1, 2-3		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	12.0	6.2	
n-Pentadecane	5.26	2.7				
SOX 6731			M1, 1-1		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.3	0.2	C-13 to C-14	0.3	0.2	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	18.7	9.8	
n-Pentadecane	4.4	2.3				
SOX 6732			M3, 4-2		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	7.1	3.7	
n-Pentadecane	2.3	1.2				
SOX 6733			M3, 4-1		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	7.4	5.8	C-12 to C-13	7.9	6.1	
n-Tridecane	10.2	7.9	C-13 to C-14	9.9	7.7	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	12.1	9.4	
n-Tetradecane	12.1	9.4	>C-15	3.6	2.8	
n-Pentadecane	3.6	2.8				
SOX 6734			M3, 2-3		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	18.6	10.1	
n-Pentadecane	2.1	1.2				



## (Soil Me/Cl Soxhlet Samples)

SOX 6735			M3, 2-2		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	3.9	2.1	
n-Pentadecane	3.9	2.1				
SOX 6736			M3, 1-4		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	12.4	7.1	
n-Pentadecane	1.0	0.56				
SOX 6737			M4, 3-4		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	187.4	99.4	
n-Pentadecane	1.1	0.6				
SOX 6738			M5, 4-1		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.7	0.4	C-12 to C-13	0.7	0.4	
n-Tridecane	1.2	0.6	C-13 to C-14	1.2	0.6	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	3.0	1.6	
n-Pentadecane	2.8	1.5				
SOX 6739			M5, 2-4		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	3.5	1.8	C-12 to C-13	4.0	2.1	
n-Tridecane	4.9	2.5	C-13 to C-14	4.8	2.5	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	17.9	9.3	
n-Tetradecane	17.9	9.3	>C-15	37.3	19.3	
n-Pentadecane	10.9	5.6				

(Soil MetCl Soxhlet Samples)

SOX 6740			M5, 2-3		Date Sampled 3/21/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	2.7	1.4
n-Pentadecane	2.2	1.1			
SOX 6741			M7, 4-2		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	17.4	8.8
n-Pentadecane	17.4	8.8			
SOX 6742			M7, 2-1		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	19.2	11.0	C-13 to C-14	18.6	10.7
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	53.3	30.5
n-Pentadecane	34.6	19.8			
SOX 6743			M29, 4-4		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.0	0.0
n-Pentadecane	0.0	0.0			
SOX 6744			M29, 4-3		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	9.4	5.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	23.9	12.7
n-Pentadecane	0.0	0.0			

## (Soil Met/CI Soxhlet Samples)

SOX 6745			M29, 4-2		Date Sampled 3/21/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	68.3	37.8	C-12 to C-13	572	317
n-Tridecane	176	97.4	C-13 to C-14	789	436
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	1,107	613
n-Tetradecane	260	144	>C-15	4,218	2,335
n-Pentadecane	328	182			
SOX 6746			M29, 4-1		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.3	0.2	C-12 to C-13	0.8	0.4
n-Tridecane	24.6	13.0	C-13 to C-14	23.9	12.6
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	11.4	6.0
n-Pentadecane	11.4	6.0			
SOX 6747			M29, 2-4		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	1.7	0.9	C-12 to C-13	5.7	3.0
n-Tridecane	15.3	8.1	C-13 to C-14	17.5	9.3
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	21.7	11.5
n-Pentadecane	12.5	6.6			
SOX 6748			M29, 2-3		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	3.8	2.1	C-12 to C-13	11.1	6.2
n-Tridecane	0.0	0.0	C-13 to C-14	33.7	18.8
1-Methylnaphthalene	32.7	18.3	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	23.6	13.2
n-Pentadecane	23.6	13.2			
SOX 6749			M29, 1-3		Date Sampled 3/21/91
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.4	0.3	C-12 to C-13	5.4	3.2
n-Tridecane	0.0	0.0	C-13 to C-14	42.1	25.2
1-Methylnaphthalene	40.9	24.5	C-14 to C-15	11.7	7.0
n-Tetradecane	3.9	2.4	>C-15	13.1	7.9
n-Pentadecane	12.0	7.2			

(Soil MetCl Soxhlet Samples)

SOX 6750			M29, 1-2		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	30.0	18.9	C-12 to C-13	84.5	53.3	
n-Tridecane	0.0	0.0	C-13 to C-14	24.8	15.6	
1-Methylnaphthalene	24.1	15.2	C-14 to C-15	34.2	21.5	
n-Tetradecane	29.9	18.9	>C-15	40.8	25.7	
n-Pentadecane	38.5	24.3				

SOX 6751			M29, 1-1		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	760.5	516.3	C-12 to C-13	5566.9	3779.1	
n-Tridecane	930.1	631.4	C-13 to C-14	4422.5	3002.2	
1-Methylnaphthalene	719.9	488.7	C-14 to C-15	5710.7	3876.7	
n-Tetradecane	1588.5	1078.3	>C-15	6176.6	4193.0	
n-Pentadecane	460.7	312.8				

SOX 6752			M28, 3-4		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	9.1	5.2	C-12 to C-13	15.2	8.7	
n-Tridecane	0.0	0.0	C-13 to C-14	20.7	11.9	
1-Methylnaphthalene	20.2	29.5	C-14 to C-15	441.7	253.1	
n-Tetradecane	0.0	0.0	>C-15	2124.0	1216.8	
n-Pentadecane	51.5	29.5				

SOX 6753			M28, 3-3		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	3.5	1.8	C-12 to C-13	16.4	8.6	
n-Tridecane	0.0	0.0	C-13 to C-14	29.5	15.4	
1-Methylnaphthalene	28.6	14.9	C-14 to C-15	58.7	30.6	
n-Tetradecane	0.0	0.0	>C-15	183.4	95.6	
n-Pentadecane	101.1	52.7				

SOX 6754			M28, 3-2		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	1.9	1.1	C-12 to C-13	5.7	3.3	
n-Tridecane	0.0	0.0	C-13 to C-14	24.1	14.1	
1-Methylnaphthalene	21.0	12.2	C-14 to C-15	67.2	39.3	
n-Tetradecane	8.5	4.9	>C-15	98.3	57.4	
n-Pentadecane	11.5	6.7				

## (Soil MetCl Soxhlet Samples)

SOX 6755			M28,3-1		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	15.4	9.6	
1-Methylnaphthalene	15.0	9.4	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	7.5	4.7	
n-Pentadecane	0.0	0.0				
SOX 6756			M28, 2-2		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.17	0.11	
n-Tridecane	0.0	0.0	C-13 to C-14	26.8	17.3	
1-Methylnaphthalene	26.0	16.8	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	36.2	23.4	
n-Pentadecane	19.2	12.4				
SOX 6757			M28, 2-1		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	19.4	13.1	
1-Methylnaphthalene	18.9	12.8	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	29.8	20.1	
n-Pentadecane	0.0	0.0				
SOX 6758			M28, 1-2		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	10.9	5.6	
1-Methylnaphthalene	10.6	5.4	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	30.0	15.3	
n-Pentadecane	0.0	0.0				
SOX 6759			M28, 1-1		Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	1.3	0.68	C-12 to C-13	17.2	8.8	
n-Tridecane	0.30	0.15	C-13 to C-14	5.1	2.6	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	14.2	7.2	
n-Tetradecane	0.0	0.0	>C-15	11.2	5.7	
n-Pentadecane	7.6	3.9				

(Soil MetCl Soxhlet Samples)

SOX 6760			M34,3-3			Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)		
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0		
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0		
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0		
n-Tetradecane	0.0	0.0	>C-15	10.7	6.8		
n-Pentadecane	6.7	4.2					
SOX 6761			M34, 3-2			Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)		
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0		
n-Tridecane	0.0	0.0	C-13 to C-14	21.4	15.1		
1-Methylnaphthalene	20.8	14.6	C-14 to C-15	0.0	0.0		
n-Tetradecane	0.0	0.0	>C-15	66.1	46.5		
n-Pentadecane	9.2	6.5					
SOX 6762			M34, 2-1			Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)		
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0		
n-Tridecane	0.0	0.0	C-13 to C-14	23.3	16.5		
1-Methylnaphthalene	22.7	16.0	C-14 to C-15	0.0	0.0		
n-Tetradecane	0.0	0.0	>C-15	27.8	19.7		
n-Pentadecane	5.7	4.0					
SOX 6763			M34, 1-4			Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)		
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0		
n-Tridecane	0.0	0.0	C-13 to C-14	14.9	9.7		
1-Methylnaphthalene	14.5	9.5	C-14 to C-15	0.0	0.0		
n-Tetradecane	0.0	0.0	>C-15	62.9	41.1		
n-Pentadecane	3.2	2.1					
SOX 6764			M34, 1-3			Date Sampled 3/21/91	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)		
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0		
n-Tridecane	0.0	0.0	C-13 to C-14	16.6	11.4		
1-Methylnaphthalene	16.1	11.1	C-14 to C-15	0.0	0.0		
n-Tetradecane	0.0	0.0	>C-15	4.4	3.0		
n-Pentadecane	4.4	3.0					

Warren AFB - Specific Compound and Boiling P Results					
(Soil MetCl Soxhlet Samples)					
SOX 6765		M34, 1-2		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	16.5	13.0
1-Methylnaphthalene	16.0	12.6	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	433	340
n-Pentadecane	0.75	0.59			
SOX 6766		M14, 3-3		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	5.6	3.0
1-Methylnaphthalene	5.5	2.9	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	31.2	16.4
n-Pentadecane	0.0	0.0			
SOX 6767		M14, 3-2		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	4.3	2.5
n-Pentadecane	4.3	2.5			
SOX 6768		M14, 1-3		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane		0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	11.3	8.3
n-Pentadecane	11.3	8.3			
SOX 6769		M14, 1-2		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.83	0.63
n-Pentadecane	0.0	0.0			

## Warren AFB - Specific Compound and Boiling P Results

(Soil MetCl Soxhlet Samples)

SOX 6770		M22, 3-2		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	2.6	1.7
n-Pentadecane	1.5	0.95			
SOX 6771		M19, 4-3		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	1.7	1.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	100	62.3
n-Tetradecane	19.7	12.3	>C-15	202	126
n-Pentadecane	39.7	24.8			
SOX 6772		M19, 4-2		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	619	317
n-Pentadecane	0.0	0.0			
SOX 6773		M19, 4-1		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	47.7	27.3
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	47.5	27.2
n-Pentadecane	0.0	0.0			
SOX 6774		M19, 2-3		Date Sampled 3/21/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	15.3	8.6
n-Tetradecane	1.3	0.75	>C-15	16.9	9.5
n-Pentadecane	2.7	1.5			



## Warren AFB - Specific Compound and Boiling P Results

(Soil MetCl Soxhlet Samples)

SOX 6775			M19, 2-2		Date Sampled 3/21/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	153	102
n-Pentadecane	0.0	0.0			
SOX 6776			M24, 3-4		Date Sampled 3/21/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	2.4	1.2
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	4.3	2.2
n-Pentadecane	0.0	0.0			
SOX 6777			M24, 3-2		Date Sampled 3/21/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.54	0.34	C-13 to C-14	0.53	0.33
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	5.4	3.4
n-Pentadecane	0.0	0.0			
SOX 6778			M33, 4-3		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.67	0.35
n-Tridecane	0.84	0.43	C-13 to C-14	0.82	0.42
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	2.9	1.5
n-Pentadecane	0.0	0.0			
SOX 6779			M33, 4-2		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	5.2	2.6
n-Pentadecane	0.0	0.0			

## Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 6780		M33, 4-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.55	0.29
n-Pentadecane	0.0	0.0			
SOX 6781		M33, 2-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	14.8	7.6	C-13 to C-14	14.4	7.4
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.19	0.10
n-Pentadecane	0.0	0.0			
SOX 6782		M33, 2-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	28.9	17.3	C-13 to C-14	28.1	16.8
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.7	1.0
n-Pentadecane	0.0	0.0			
SOX 6783		M33, 1-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	1.2	0.80	C-12 to C-13	13.9	9.5
n-Tridecane	1.3	0.87	C-13 to C-14	13.2	9.1
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	18.7	12.9
n-Tetradecane	0.0	0.0	>C-15	41.7	28.7
n-Pentadecane	3.6	2.5			
SOX 6784		M33, 1-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	12.8	8.7	C-12 to C-13	121.1	82.5
n-Tridecane	9.3	6.3	C-13 to C-14	26.7	18.1
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	85.8	58.4
n-Tetradecane	0.0	0.0	>C-15	91.7	62.4
n-Pentadecane	0.0	0.0			

## Warren AFB - Specific Compound and Boiling PL Results

(Soil MetCl Soxhlet Samples)

SOX 6785		M32, 3-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	5.9	3.6
n-Pentadecane	0.0	0.0			
SOX 6786		M32, 3-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	2.1	1.3
1-Methylnaphthalene	2.1	1.3	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.18	0.11
n-Pentadecane	0.0	0.0			
SOX 6787		M32, 2-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	1.6	0.9
1-Methylnaphthalene	1.5	0.84	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.79	0.44
n-Pentadecane	0.79	0.44			
SOX 6788		M32, 1-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.9	1.0
n-Pentadecane	0.0	0.0			
SOX 6789		M32, 1-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.58	0.38
n-Pentadecane	0.0	0.0			

## (Soil MetCl Soxhlet Samples)

SOX 6790		M32, 1-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	14.9	10.1
1-Methylnaphthalene	0.43	0.29	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.6	1.1
n-Pentadecane	0.0	0.0			
SOX 6791		M31, 4-4		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	7.2	3.7
1-Methylnaphthalene	7.0	3.6	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.54	0.28
n-Pentadecane	0.0	0.0			
SOX 6792		M31, 4-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	8.5	4.7
1-Methylnaphthalene	8.3	4.6	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.54	0.30
n-Pentadecane	0.0	0.0			
SOX 6793		M31, 4-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	8.1	4.3
1-Methylnaphthalene	7.8	4.2	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.0	0.55
n-Pentadecane	0.0	0.0			
SOX 6794		M31, 2-4		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	22.9	12.1
1-Methylnaphthalene	22.3	11.8	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.8	0.97
n-Pentadecane	0.0	0.0			

## (Soil MetCl Soxhlet Samples)

SOX 6795			M31, 2-2		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	13.9	7.7
1-Methylnaphthalene	13.5	7.5	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.70	0.39
n-Pentadecane	0.0	0.0			
SOX 6796			M31, 2-1		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	1.0	0.53
1-Methylnaphthalene	0.93	0.52	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.35	0.19
n-Pentadecane	0.0	0.0			
SOX 6797			M31, 1-2		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	36.9	22.2
1-Methylnaphthalene	35.9	21.6	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.43	0.26
n-Pentadecane	0.0	0.0			
SOX 6798			M31, 1-1		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	15.5	9.4	C-13 to C-14	15.0	9.2
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	3.4	2.1
n-Pentadecane	0.0	0.0			
SOX 6799			M10, 3-3		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	16.5	9.9
1-Methylnaphthalene	16.0	9.6	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.1	0.64
n-Pentadecane	0.0	0.0			

## Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 6800		M10, 3-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	22.3	13.3	C-13 to C-14	21.7	12.9
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	9.2	5.5
n-Tetradecane	0.0	0.0	>C-15	9.1	5.4
n-Pentadecane	0.08	0.05			
SOX 6801		M10, 1-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	19.9	12.1	C-13 to C-14	19.4	11.8
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	28.9	17.5
n-Tetradecane	0.0	0.0	>C-15	3.2	1.9
n-Pentadecane	0.57	0.35			
SOX 6802		M10, 1-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	14.7	8.9
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	91.8	55.7
n-Pentadecane	0.0	0.0			
SOX 6803		M10, 1-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	7.9	4.1
1-Methylnaphthalene	7.7	4.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.48	0.25
n-Pentadecane	0.0	0.0			
SOX 6804		M11, 4-4		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.03	0.01	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	67.3	33.9
n-Pentadecane	0.0	0.0			

## Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 6805		M11, 4-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	15.2	7.8	C-13 to C-14	14.7	7.5
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.3	0.66
n-Pentadecane	0.0	0.0			
SOX 6806		M11, 4-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	16.0	8.3	C-13 to C-14	15.5	8.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.32	0.16
n-Pentadecane	0.0	0.0			
SOX 6807		M11, 3-4		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.10	0.05
n-Pentadecane	0.0	0.0			
SOX 6808		M11, 2-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.5	0.80
n-Pentadecane	0.0	0.0			
SOX 6809		M11, 2-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.2	0.66
n-Pentadecane	0.0	0.0			

## Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 6810			M11, 1-4		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	0.38	0.20	
n-Pentadecane	0.0	0.0				
SOX 6811			M12, 3-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	0.49	0.26	
n-Pentadecane	0.0	0.0				
SOX 6812			M12, 1-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	1.6	1.2	
n-Pentadecane	0.0	0.0				
SOX 6813			M13, 4-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	0.0	0.0	
n-Pentadecane	0.0	0.0				
SOX 6814			M13, 4-1		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	5.5	3.7	C-12 to C-13	5.6	3.8	
n-Tridecane	2.9	1.9	C-13 to C-14	2.8	1.9	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	8.4	5.7	
n-Tetradecane	0.0	0.0	>C-15	61.5	41.6	
n-Pentadecane	21.3	14.4				



## FE Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 6815			M13, 2-4		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	1.0	0.58	
n-Tridecane	3.6	2.1	C-13 to C-14	5.8	3.4	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	16.3	9.4	
n-Pentadecane	5.0	2.9				
SOX 6816			M13, 2-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	6.0	3.8	
n-Pentadecane	0.0	0.0				
SOX 6817			M15, 2-3		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	1.2	0.71	
n-Pentadecane	0.0	0.0				
SOX 6818			M15, 2-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0	
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	0.85	0.44	
n-Pentadecane	0.0	0.0				

## (Soil MetCl Soxhlet Samples)

SOX 6819			M16, 3-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.83	0.44	C-12 to C-13	0.83	0.44
n-Tridecane	3.2	1.7	C-13 to C-14	4.0	2.1
1-Methylnaphthalene	0.84	0.44	C-14 to C-15	21.4	11.3
n-Tetradecane	2.9	1.5	>C-15	81.9	43.1
n-Pentadecane	18.4	9.7			
SOX 6820			M16, 3-3		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.40	0.24	C-13 to C-14	1.0	0.60
1-Methylnaphthalene	0.25	0.15	C-14 to C-15	5.7	3.4
n-Tetradecane	0.18	0.11	>C-15	14.0	8.3
n-Pentadecane	5.3	3.1			
SOX 6821			M16, 3-2		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	2.6	1.6	C-13 to C-14	3.1	1.9
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	9.0	5.4
n-Tetradecane	2.0	1.2	>C-15	20.7	12.4
n-Pentadecane	2.1	1.3			
SOX 6822			M17, 3-1		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.83	0.51
n-Pentadecane	0.0	0.0			
SOX 6823			M17, 2-3		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.68	0.35
n-Pentadecane	0.0	0.0			

(Soil MetC1 Soxhlet Samples)

SOX 6824			M18, 4-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.14	0.07
n-Pentadecane	0.0	0.0			
SOX 6825			M18, 3-3		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.3	0.75
n-Pentadecane	0.0	0.0			
SOX 6826			M18, 3-2		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	1.2	0.94
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	4.1	3.3
n-Pentadecane	4.1	3.3			
SOX 6827			M18, 1-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	1.2	0.65	C-13 to C-14	1.2	0.63
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.00
n-Tetradecane	0.0	0.0	>C-15	1.2	0.63
n-Pentadecane	0.0	0.0			
SOX 6828			M25, 2-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.0	0.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	2.7	1.8
n-Pentadecane	0.0	0.0			

## (Soil MetCl Soxhlet Samples)

SOX 6829			M26, 1-3		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	0.19	0.09
1-Methylnaphthalene	0.18	0.09	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.1	0.57
n-Pentadecane	0.0	0.0			
SOX 6830			M27, 4-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	1.4	0.81	C-13 to C-14	1.4	0.79
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.1	0.63
n-Pentadecane	0.0	0.0			
SOX 6831			M27, 4-1		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	18.4	11.7	C-12 to C-13	35.9	22.7
n-Tridecane	49.5	31.4	C-13 to C-14	67.8	43.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	116	73.6
n-Tetradecane	53.3	33.8	>C-15	230	146
n-Pentadecane	61.2	38.8			
SOX 6832			M27, 2-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	9.2	5.5
n-Tridecane	22.6	13.4	C-13 to C-14	22.0	13.0
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	8.9	5.2
n-Tetradecane	8.9	5.2	>C-15	149.6	88.2
n-Pentadecane	0.0	0.0			
SOX 6833			M27, 2-2		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	28.8	17.7
1-Methylnaphthalene	13.3	8.1	C-14 to C-15	24.4	15.0
n-Tetradecane	0.0	0.0	>C-15	0.0	0.0
n-Pentadecane	0.0	0.0			

Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCl Soxhlet Samples)

SOX 6834			M30, 3-2		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	9.7	5.1	C-13 to C-14	9.5	4.9
1-Methylnaphthalene	0.0	0.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	2.7	1.4
n-Pentadecane	0.0	0.0			
SOX 6835			M30, 2-1		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	6.9	4.2
1-Methylnaphthalene	6.7	4.1	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	1.3	0.8
n-Pentadecane	0.0	0.0			
SOX 6836			M30, 1-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	9.3	5.5
1-Methylnaphthalene	9.0	5.4	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.78	0.46
n-Pentadecane	0.0	0.0			
SOX 6837			M30, 1-3		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	11.8	7.2
1-Methylnaphthalene	11.5	7.0	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.19	0.12
n-Pentadecane	0.0	0.0			
SOX 6838			M23, 4-4		Date Sampled 3/20/95
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0
n-Tridecane	0.0	0.0	C-13 to C-14	6.7	3.5
1-Methylnaphthalene	6.5	3.4	C-14 to C-15	0.0	0.0
n-Tetradecane	0.0	0.0	>C-15	0.89	0.47
n-Pentadecane	0.0	0.0			

FF Warren AFB - Specific Compound and Boiling Point Results

(Soil MetCI Soxhlet Samples)

SOX 6839			M23, 2-2		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.0	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	5.2	2.8	
1-Methylnaphthalene	5.1	2.8	C-14 to C-15	0.0	0.0	
n-Tetradecane	0.0	0.0	>C-15	7.3	3.9	
n-Pentadecane	0.0	0.0				

SOX 6840			M23, 3-4		Date Sampled 3/20/95	
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound bp Range	Mass (ng)	Concentration (µg/g dry wt.)	
n-Dodecane	0.0	0.0	C-12 to C-13	0.00	0.0	
n-Tridecane	0.0	0.0	C-13 to C-14	0.45	0.29	
1-Methylnaphthalene	0.43	0.28	C-14 to C-15	0.00	0.0	
n-Tetradecane	0.0	0.0	>C-15	0.35	0.23	
n-Pentadecane	0.0	0.0				

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**APPENDIX 5**  
**SOIL TPH, BTEX, AND NAPHTHALENE MASS ESTIMATES**



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FEW Initial Soil TPH Mass Calculation Table (Volatile)

DEPTH (ft)	M0	Mass(lb)	M1	Mass(lb)	M2	Mass(lb)	M3	Mass(lb)	M4	Mass(lb)	M5	Mass(lb)	M6	Mass(lb)	M7	Mass(lb)	M8	Mass(lb)	M9	Mass(lb)	M10	Mass(lb)	M11	Mass(lb)
0-0.5																								
0.5-1.0									0.9						1.7									
1.0-1.5							8.8		0.3						6.1								5.7	
1.5-2.0			20.9				21.7		4.4		8.8				3.4				0.04				43.1	
2.0-2.5									0.07										1.6				135	
2.5-3.0	22.4				0.37																			
3.0-3.5	181				0.9																			
3.5-4.0																								
4.0-4.5													1.8											
4.5-5.0			9.3								2.8													
5.0-5.5			0.7				7.1				5.4													
5.5-6.0			15.1				28.5				6.7				2.1				2.1					
6.0-6.5											0.81				15.8				4.6			0.17		
6.5-7.0	0.4				0.16														0.9			0.65		
7.0-7.5	12.5				0.7																			
7.5-8.0					0.53				1.9												0.65			
									0.03												5			
DEPTH (ft) <th>M12</th> <th>Mass(lb)</th> <th>M13</th> <th>Mass(lb)</th> <th>M14</th> <th>Mass(lb)</th> <th>M15</th> <th>Mass(lb)</th> <th>M16</th> <th>Mass(lb)</th> <th>M17</th> <th>Mass(lb)</th> <th>M18</th> <th>Mass(lb)</th> <th>M19</th> <th>Mass(lb)</th> <th>M20</th> <th>Mass(lb)</th> <th>M21</th> <th>Mass(lb)</th> <th>M22</th> <th>Mass(lb)</th> <th>M23</th> <th>Mass(lb)</th>	M12	Mass(lb)	M13	Mass(lb)	M14	Mass(lb)	M15	Mass(lb)	M16	Mass(lb)	M17	Mass(lb)	M18	Mass(lb)	M19	Mass(lb)	M20	Mass(lb)	M21	Mass(lb)	M22	Mass(lb)	M23	Mass(lb)
0-0.5																								
0.5-1.0																								
1.0-1.5			12				0.05								7.1				0.06				1	
1.5-2.0			26				0.17				0.25				0.23				0.28				2.1	
2.0-2.5			36.8												0.1									
2.5-3.0	0.69																							
3.0-3.5	6.7				7.6				1.1				269				0.43							
3.5-4.0	5.3				1.9				1.6				89.2				0.09				2.5			
4.0-4.5													40.5				0.05				0.04			
4.5-5.0			95																			1.5		
5.0-5.5							0.38				3.9													
5.5-6.0			0.4				8.5				56								0.3				0.2	
6.0-6.5																								
6.5-7.0	0.49				1																			
7.0-7.5	0.51				2.5				0.06								0.51							
7.5-8.0	0.21								3.2								3.7							
DEPTH (ft) <th>M24</th> <th>Mass(lb)</th> <th>M25</th> <th>Mass(lb)</th> <th>M26</th> <th>Mass(lb)</th> <th>M27</th> <th>Mass(lb)</th> <th>M28</th> <th>Mass(lb)</th> <th>M29</th> <th>Mass(lb)</th> <th>M30</th> <th>Mass(lb)</th> <th>M31</th> <th>Mass(lb)</th> <th>M32</th> <th>Mass(lb)</th> <th>M33</th> <th>Mass(lb)</th> <th>M34</th> <th>Mass(lb)</th> <th>M35</th> <th>Mass(lb)</th>	M24	Mass(lb)	M25	Mass(lb)	M26	Mass(lb)	M27	Mass(lb)	M28	Mass(lb)	M29	Mass(lb)	M30	Mass(lb)	M31	Mass(lb)	M32	Mass(lb)	M33	Mass(lb)	M34	Mass(lb)	M35	Mass(lb)
0-0.5																								
0.5-1.0																								
1.0-1.5																								
1.5-2.0			0.08																					
2.0-2.5	0.08																							
2.5-3.0					2.3				12				4.4											
3.0-3.5	0.03								68															
3.5-4.0					0.04				93															
4.0-4.5			1.2						25															
4.5-5.0																								
5.0-5.5																								
5.5-6.0			4.4																					
6.0-6.5																								
6.5-7.0					0.09																			
7.0-7.5	0.21																							
7.5-8.0	0.11				3				243															
									32.8															
	0.11	0.15	1.5	2.1	1.4	1.9	9.61	13.7	79.0	112.8	155.3	221.9	14.7	21.0	3.8	5.4	56.2	80.2	184	263.4	73.1	104.4		1,199

FEW Initial TPH Mass Calculation Table (Semi-Volatile)

DEPTH (ft)	M0	Mass(lb)	M1	Mass(lb)	M2	Mass(lb)	M3	Mass(lb)	M4	Mass(lb)	M5	Mass(lb)	M6	Mass(lb)	M7	Mass(lb)	M8	Mass(lb)	M9	Mass(lb)	M10	Mass(lb)	M11	Mass(lb)
0-0.5																								
0.5-1.0									0						0								0	
1.0-1.5									0						0				0				17801	
1.5-2.0			2.6				28		0		1.2				0				8.8				233	
2.0-2.5									0															
2.5-3.0	52.4				0												9.3				15.7			
3.0-3.5	22.4				0.33												0				53.9			
3.5-4.0																					81.4			
4.0-4.5			0								0													
4.5-5.0			0.83				0				0								3.8					
5.0-5.5			0.56				1.6				4.9				0				0				3.9	
5.5-6.0			51.8								0				0				0.1				3	
6.0-6.5																	0							
6.5-7.0	0				0												0				6.7			
7.0-7.5	19.6				0				0								0				35.4			
7.5-8.0					0				0				24.1											
23.6	20.2	11.2	9.6	0.07	0.1	9.9	8.5	0.0	0.0	1.2	1.4	1.4	12.1	17.2	0.0	0.0	1.9	2.7	2.5	3.6	38.6	55.2	3608	5154.8
DEPTH (ft)	M12	Mass(lb)	M13	Mass(lb)	M14	Mass(lb)	M15	Mass(lb)	M16	Mass(lb)	M17	Mass(lb)	M18	Mass(lb)	M19	Mass(lb)	M20	Mass(lb)	M21	Mass(lb)	M22	Mass(lb)	M23	Mass(lb)
0-0.5																								
0.5-1.0			0				0				0				5.2				0				0	
1.0-1.5			1273				0				0				3.5				2.2				0	
1.5-2.0			1223												0.2									
2.0-2.5																								
2.5-3.0	0				0				0				38.5				0							
3.0-3.5	1.5				1.8				0				2.8				0				0			
3.5-4.0	0												0											
4.0-4.5																								
4.5-5.0			584				0				0				9.1				4.1				0	
5.0-5.5							0				0				15.3				0				0	
5.5-6.0			0																					
6.0-6.5																								
6.5-7.0	0				0				0				0				0							
7.0-7.5	0				13.7				0				0				0							
7.5-8.0	0								0				0				0							
0.25	0.36	616	880.04	3.9	5.54	0.0	0.00	0.0	0.00	0.0	0.0	0.00	8.3	11.8	6.7	9.5	0.0	0.0	1.6	2.3	0.0	0.0	0.0	
DEPTH (ft)	M24	Mass(lb)	M25	Mass(lb)	M26	Mass(lb)	M27	Mass(lb)	M28	Mass(lb)	M29	Mass(lb)	M30	Mass(lb)	M31	Mass(lb)	M32	Mass(lb)	M33	Mass(lb)	M34	Mass(lb)	Σ Mass(lb)	
0-0.5			0				4.2				44.4				110.3				61.8					
0.5-1.0											1875													
1.0-1.5			0				4				343				4212				436					
1.5-2.0							5.9				827								266					
2.0-2.5	0				2.8								22.3								9.4			
2.5-3.0																					12.7			
3.0-3.5	0				3.9				10.9	4.7			35				19	50.3			12.5			
3.5-4.0																								
4.0-4.5			0				6.9								42									
4.5-5.0																								
5.0-5.5			5				7.7								103				16.2					
5.5-6.0																			88.3					
6.0-6.5					4.2																			
6.5-7.0																					10.1			
7.0-7.5	0				3.6				16.2				35.1				38.7				14.4			
7.5-8.0	0								128				103				110.3				18.3			
0.0	0.00	1.3	1.79	3.6	5.18	5.7	8.20	40.0	57.1	77.2	110.3	48.9	69.8	111.7	1595.5	54.6	78.0	174	248.1	12.9	18.4		9368	

FEW Final Soil TPH Mass Calculation Table (Volatile)-after 1,2,4-TB Correction

DEPTH (ft)	M0	Mass(lb)	M1	Mass(lb)	M2	Mass(lb)	M3	Mass(lb)	M4	Mass(lb)	M5	Mass(lb)	M6	Mass(lb)	M7	Mass(lb)	M8	Mass(lb)	M9	Mass(lb)	M10	Mass(lb)	M11	Mass(lb)		
0-0.5																							3.8			
0.5-1.0																							4.8			
1.0-1.5							1.3																7.1			
1.5-2.0			1.9				164																			
2.0-2.5									1.9																	
2.5-3.0	171				No Data								No Data				No Data		No Data		13					
3.0-3.5	192				Used average from M-1, M-3								Used average from M-5, M-7				Used average from M-7, M-13		Used average from M-13, M-14		11.6					
3.5-4.0																										
4.0-4.5																										
4.5-5.0			1.2				10.4																			
5.0-5.5							17.1																3.0			
5.5-6.0							1.9																4.1			
6.0-6.5	19.5																									
6.5-7.0	86.0																									
7.0-7.5																										
7.5-8.0			2.1																							
35.5	M12	30.4	M13	1.7	1.5	20.3	M14	Mass(lb)	33.4	1.9	1.6	4.7	5.4	6.5	9.2	8.2	11.7	17.8	25.4	17.3	24.7	14.7	20.9	4.4	6.3	
0-0.5													4.4										M23	Mass(lb)		
0.5-1.0																18.2										
1.0-1.5			2.5													2.6										
1.5-2.0			39.5													2.1										
2.0-2.5																4.2			80.4							
2.5-3.0	4.1															7.5										
3.0-3.5																										
3.5-4.0																										
4.0-4.5			41.6																							
4.5-5.0			26.1																							
5.0-5.5																										
5.5-6.0																							1.6			
6.0-6.5																										
6.5-7.0	16.2																									
7.0-7.5																										
7.5-8.0																										
10.2	M24	14.5	M25	27.4	39.2	M26	Mass(lb)	7.1	10.2	41.2	33.3	47.6	3.3	4.6	130	186	6.9	9.9	37.2	54	80.4	115	12.3	17.57	3.6	5.1
0-0.5																										
0.5-1.0																										
1.0-1.5																										
1.5-2.0																										
2.0-2.5	1.3																									
2.5-3.0																										
3.0-3.5	13.8																									
3.5-4.0																										
4.0-4.5			3.8																							
4.5-5.0																										
5.0-5.5																										
5.5-6.0																										
6.0-6.5																										
6.5-7.0																										
7.0-7.5																										
7.5-8.0																										
7.6		10.8	3.8		5.4	2.1	3.0	38.1	54.4	120	172	182	260	2.9	4.2	8.4	12.1	5.1	7.3	194	278	68.7	98		1,637	

FEW Final Soil TPH Mass Calculation Table (Semi-Volatile)

DEPTH (ft)	M0	Mass(lb)	M1	Mass(lb)	M2	Mass(lb)	M3	Mass(lb)	M4	Mass(lb)	M5	Mass(lb)	M6	Mass(lb)	M7	Mass(lb)	M8	Mass(lb)	M9	Mass(lb)	M10	Mass(lb)	M11	Mass(lb)
0-0.5																							33.3	
0.5-1.0																							8.7	
1.0-1.5							3.6								8.6								8.7	
1.5-2.0			11.5				27.4				2.6													
2.0-2.5									97.8														0.05	
2.5-3.0	567				No Data												No Data		No Data		11.2			
3.0-3.5	71.5				Used average from M-1, M-3												Used average from M-7, M-13		Used average from M-13, M-14		24.5			
3.5-4.0																								
4.0-4.5											33.2													
4.5-5.0			6.1				9.9				1.4													
5.0-5.5							2															0.79		
5.5-6.0															41.4							0.64		
6.0-6.5	57.7						7															0.2		
6.5-7.0	14.3																				31.8			
7.0-7.5																					65			
7.5-8.0			9.8																		4.7			
	178	152	9.1	7.8	9.6	8.2	10.0	8.6	97.8	83.8	12.4	14.2	18.7	26.7	25.0	35.7	18.4	26.2	9.7	13.8	27.4	39.2	7.5	10.7
DEPTH (ft)	M12	Mass(lb)	M13	Mass(lb)	M14	Mass(lb)	M15	Mass(lb)	M16	Mass(lb)	M17	Mass(lb)	M18	Mass(lb)	M19	Mass(lb)	M20	Mass(lb)	M21	Mass(lb)	M22	Mass(lb)	M23	Mass(lb)
0-0.5													0.07		187								4.2	
0.5-1.0															312									
1.0-1.5			0.001												57.8									
1.5-2.0			52.9																0.53					
2.0-2.5									56.3															
2.5-3.0	0.25				19.3				12.2				0.74											
3.0-3.5					2.5				19.5		0.5		4.3								1.6			
3.5-4.0																								
4.0-4.5			13.6				0.69				0.34				17.9								6.9	
4.5-5.0			3.8				0.43								101									
5.0-5.5																								
5.5-6.0																								
6.0-6.5																								
6.5-7.0	1.2				8.2								1.3											
7.0-7.5					0.62																			
7.5-8.0																								
DEPTH (ft)	M24	Mass(lb)	M25	Mass(lb)	M26	Mass(lb)	M27	Mass(lb)	M28	Mass(lb)	M29	Mass(lb)	M30	Mass(lb)	M31	Mass(lb)	M32	Mass(lb)	M33	Mass(lb)	M34	Mass(lb)	ΣMass(lb)	
0-0.5							1.5				0.42				4.2									
0.5-1.0											15.3				5.3				2.3					
1.0-1.5											17.8				5.1				2.6					
1.5-2.0							288				3731								0.28					
2.0-2.5	3.6										19.9													
2.5-3.0									1470															
3.0-3.5									151															
3.5-4.0	3.7								114															
4.0-4.5			1.7						14.9															
4.5-5.0							112				24.7										6.7			
5.0-5.5											40.1													
5.5-6.0																								
6.0-6.5																								
6.5-7.0																								
7.0-7.5																								
7.5-8.0																								
	3.65	5.21	1.7	2.43	0.66	0.94	72.6	103.65	234	334.30	2166	3094.29	4.4	6.21	9.2	13.17	3.3	4.68	46.7	66.65	86.7	123.91		4.462

FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M0 (µg/g dry wt)				Mass(lb) at M-0				Concentrations at M1 (µg/g dry wt)				Mass(lb) at M-1			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5																
2.5-3.0	0.0	0.16	0.08	0.17					0.12	0.17	0.88	0.07				
3.0-3.5	0.35	2	0.71	1.9												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0									0.0	0.06	0.45	0.19				
6.0-6.5									0.0	0	0.01	0.0				
6.5-7.0	0.0	0.05	0.03	0.0					0.0	0.27	0.97	0.42				
7.0-7.5	0.0	0.08	0.07	0.06												
7.5-8.0																
Average	0.09	0.57	0.22	0.53	0.08			0.47	0.03	0.13	0.58	0.17	0.03	0.11	0.51	0.15
DEPTH (ft)	Concentrations at M2 (µg/g dry wt)				Mass(lb) at M-2				Concentrations at M3 (µg/g dry wt)				Mass(lb) at M-3			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5																
2.5-3.0	0.0	0.11	0.0	0.0					0.0	0.15	0.04	0.0				
3.0-3.5	0.0	0.08	0.05	0.0					0.0	0.01	0.04	0.01				
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5									0.07	0.08	0.16	0.1				
6.5-7.0	0.0	0.03	0.02	0.0					0.0	0.32	0.2	0.35				
7.0-7.5	0.07	0.08	0.05	0.07												
7.5-8.0	0.0	0.01	0.03	0.0												
Average	0.01	0.06	0.03	0.01	0.01	0.05	0.03	0.01	0.02	0.14	0.11	0.12	0.02	0.12	0.10	0.10

FEW Initial Soil DTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M4 (µg/g dry wt)				Mass(lb) at M-4				Concentrations at M5 (µg/g dry wt)				Mass(lb) at M-5			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5	0	0	0	0					0	0.01	0	0				
2.5-3.0	0	0	0	0												
3.0-3.5	0	0	0	0												
3.5-4.0	0	0.02	0	0												
4.0-4.5																
4.5-5.0									0	0	0	0.03				
5.0-5.5																
5.5-6.0									0	0	0	0				
6.0-6.5									0	0	0	0				
6.5-7.0																
7.0-7.5	0	0.01	0.03	0												
7.5-8.0	0	0.01	0	0												
Average	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
DEPTH (ft)	Concentrations at M6 (µg/g dry wt)				Mass(lb) at M-6				Concentrations at M7 (µg/g dry wt)				Mass(lb) at M-7			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5									0	0.03	0	0.07				
1.5-2.0									0	0.1	0.06	0				
2.0-2.5									0	0.05	0.03	0.05				
2.5-3.0																
3.0-3.5																
3.5-4.0	0	0	0	0												
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0									0.05	0.23	0.19	0				
6.0-6.5									0	0.11	0.26	0.16				
6.5-7.0																
7.0-7.5																
7.5-8.0	0	0	0.02	0												
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.11	0.06	0.01	0.15	0.16	0.08

FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M8 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-8				Concentrations at M9 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-9			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0									0	0	0	0				
2.0-2.5									0	0.02	0	0				
2.5-3.0	0.0	0.09	0.21	0.09												
3.0-3.5	0.0	0.0	0.03	0.0												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5									0	0.05	0.1	0				
5.5-6.0									0	0.02	0	0				
6.0-6.5									0	0.07	0.03	0				
6.5-7.0	0.0	0.04	0.05	0.0												
7.0-7.5	0.0	0.0	0.0	0.0												
7.5-8.0																
Average	0.00	0.03	0.07	0.02	0.00	0.05	0.11	0.03	0.00	0.03	0.03	0.00	0.00	0.05	0.04	0.00
DEPTH (ft)	Concentrations at M10 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-10				Concentrations at M11 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-11			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5									0.07	0.18	0.08	0.12				
1.5-2.0									0	0	0	0				
2.0-2.5									0.15	0.11	0.22	0.09				
2.5-3.0	0.27	1.1	0.55	0.21												
3.0-3.5	0.06	0.13	0.06	0												
3.5-4.0	0	0.07	0	0.13												
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0	0.00	0.07	0.09	0.03					0	0.02	0.02	0				
7.0-7.5	0	0.05	0.01	0.16					0.02	0.05	0.03	0.07				
7.5-8.0																
Average	0.07	0.28	0.14	0.11	0.10	0.42	0.21	0.16	0.05	0.07	0.07	0.06	0.07	0.11	0.10	0.08



FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M12 (µg/g dry wt)				Mass(lb) at M-12				Concentrations at M13 (µg/g dry wt)				Mass(lb) at M-13			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5									0.13	0.05	0.07	0				
1.5-2.0									0.15	0.2	0.15	0.13				
2.0-2.5									0	0.05	0.05	0.04				
2.5-3.0	0.06	0.1	0.07	0												
3.0-3.5	0.04	0.17	0.09	0												
3.5-4.0	0.11	0.12	0.06	0.07												
4.0-4.5																
4.5-5.0									0.26	1	1.1	0.16				
5.0-5.5																
5.5-6.0									0	0.03	0.01	0				
6.0-6.5																
6.5-7.0	0.15	0.09	0.06	0.07												
7.0-7.5	0.06	0.1	0.05	0.06												
7.5-8.0	0	0.04	0	0.02												
Average	0.07	0.10	0.06	0.04	0.10	0.15	0.08	0.05	0.11	0.27	0.28	0.07	0.16	0.39	0.40	0.10
DEPTH (ft)	Concentrations at M14 (µg/g dry wt)				Mass(lb) at M-14				Concentrations at M15 (µg/g dry wt)				Mass(lb) at M-15			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5									0	0	0	0				
1.5-2.0									0	0	0	0				
2.0-2.5																
2.5-3.0	0	0.16	0.06	0.03												
3.0-3.5	0	0.05	0.1	0.03												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0									0	0	0	0				
6.0-6.5									0	0	0.17	0.06				
6.5-7.0	0	0.04	0.00	0.00												
7.0-7.5	0	0.16	0.12	0.08												
7.5-8.0																
Average	0.00	0.10	0.07	0.04	0.00	0.15	0.10	0.05	0.00	0.00	0.04	0.02	0.00	0.06	0.06	0.02

FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M16 (µg/g dry wt)				Mass(lb) at M-16				Concentrations at M17 (µg/g dry wt)				Mass(lb) at M-17			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5									0.07	0	0	0				
1.5-2.0																
2.0-2.5																
2.5-3.0	0	0	0	0												
3.0-3.5	0	0	0	0.07												
3.5-4.0																
4.0-4.5																
4.5-5.0									0.24	0.19	0.1	0.15				
5.0-5.5									38	0	0.07	0.43				
5.5-6.0																
6.0-6.5																
6.5-7.0	0.00	0.00	0.00	0.00												
7.0-7.5	0.00	0.03	0.00	0.00												
7.5-8.0																
Average	0.00	0.01	0.00	0.02	0.00	0.01	0.00	0.03	12.77	0.06	0.06	0.19	18.68	0.09	0.08	0.28
DEPTH (ft)	Concentrations at M18 (µg/g dry wt)				Mass(lb) at M-18				Concentrations at M19 (µg/g dry wt)				Mass(lb) at M-19			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0									0	0.09	0.2	0.01				
1.0-1.5									0	0.01	0	0				
1.5-2.0									0	0	0	0				
2.0-2.5																
2.5-3.0	0	0.42	2.1	8.6												
3.0-3.5	55.6	0.61	0.32	0.5												
3.5-4.0																
4.0-4.5																
4.5-5.0									0	0.11	0.08	0				
5.0-5.5									0	0.18	0.14	0.17				
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0																
Average	27.80	0.52	1.21	4.55	40.67	0.75	1.77	6.66	0.00	0.08	0.08	0.04	0.00	0.11	0.12	0.05

FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M20 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-20				Concentrations at M21 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-21			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0									0	0.02	0	0				
1.0-1.5									0.07	0.09	0	0.03				
1.5-2.0																
2.0-2.5																
2.5-3.0																
3.0-3.5	0	0.04	0.02	0												
3.5-4.0	0.02	0	0	0												
4.0-4.5																
4.5-5.0																
5.0-5.5									0	0.02	0	0				
5.5-6.0									0	0.05	0	0				
6.0-6.5																
6.5-7.0	0.00	0.05	0.02	0.03												
7.0-7.5	0	0.57	0.21	0.23												
7.5-8.0																
Average	0.01	0.17	0.06	0.07	0.01	0.24	0.09	0.10	0.02	0.05	0.00	0.01	0.03	0.07	0.00	0.01
DEPTH (ft)	Concentrations at M22 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-22				Concentrations at M23 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-23			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0									0	0.01	0	0				
1.0-1.5																
1.5-2.0									0.09	0.09	0.05	0.05				
2.0-2.5																
2.5-3.0																
3.0-3.5	0	0.1	0.11	0.05												
3.5-4.0	0	0.01	0.01	0												
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5	0	0.03	0	0												
7.5-8.0	0	0.01	0.01	0.01												
Average	0.00	0.05	0.04	0.02	0.00	0.07	0.06	0.02	0.05	0.05	0.03	0.03	0.07	0.07	0.04	0.04

FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M24 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-24				Concentrations at M25 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-25			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0									0	0.02	0.01	0.02				
2.0-2.5																
2.5-3.0																
3.0-3.5																
3.5-4.0																
4.0-4.5																
4.5-5.0									0	0.05	0	0.04				
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0	0	0	0	0												
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.03	0.00	0.05	0.01	0.04
DEPTH (ft)	Concentrations at M26 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-26				Concentrations at M27 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-27			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5	0	0.12	0.05	0.21												
2.5-3.0																
3.0-3.5	0	0.01	0	0												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5	0	0.04	0	0					1.7	6.4	0.79	6.1				
6.5-7.0									0	0.08	0.06	0.32				
7.0-7.5	0	0.27	0.12	0.32												
7.5-8.0																
Average	0.00	0.11	0.04	0.13	0.00	0.16	0.06	0.19	0.85	3.24	0.43	3.21	1.24	4.74	0.62	4.70

FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M28 (µg/g dry wt)				Mass(lb) at M-28				Concentrations at M29 (µg/g dry wt)				Mass(lb) at M-29			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5	0.06	0.24	0	0.38					0	0.12	0.08	0.16				
0.5-1.0									0	0	0	0				
1.0-1.5	0	0	0	0					0	0.01	0	0.08				
1.5-2.0	0	0.12	0.05	0.12					0	0	0.01	0.06				
2.0-2.5	0	0.31	0	0.04												
2.5-3.0	0	1.1	0.5	1.4												
3.0-3.5	0	0.42	0.25	0.48												
3.5-4.0	0	0	0	0												
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5	0.7	6.4	4.4	22.8												
7.5-8.0	0	0.64	0.42	2.2												
Average	0.08	1.03	0.62	3.05	0.12	1.50	0.91	4.46	0.00	0.03	0.02	0.08	0.00	0.05	0.03	0.11
DEPTH (ft)	Concentrations at M30 (µg/g dry wt)				Mass(lb) at M-30				Concentrations at M31 (µg/g dry wt)				Mass(lb) at M-31			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5									0.86	1.7	0.83	0.86				
0.5-1.0									0	0	0	0				
1.0-1.5									0	0.61	0.4	0.09				
1.5-2.0									0	0	0.07	0				
2.0-2.5	0	0.48	0.26	0.09												
2.5-3.0																
3.0-3.5	0	0.86	0.61	0.04												
3.5-4.0																
4.0-4.5									0.41	0.69	0.44	0				
4.5-5.0																
5.0-5.5									0	0	0	0				
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5	0.44	1.1	0.58	0												
7.5-8.0	1.4	4.4	0	5.2												
Average	0.46	1.71	0.36	1.33	0.67	2.50	0.53	1.95	0.21	0.50	0.29	0.16	0.31	0.73	0.42	0.23

FEW Initial Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M32 (µg/g dry wt)				Mass (lb) at M-32				Concentrations at M33 (µg/g dry wt)				Mass (lb) at M-33			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5									0	0.03	0.04	0				
0.5-1.0									0	0	0.44	0.07				
1.0-1.5									0	0.13	4	3.2				
1.5-2.0									0.76	1.2	4.4	3.1				
2.0-2.5																
2.5-3.0																
3.0-3.5	0.65	1.3	0.88	0.9												
3.5-4.0	1.1	2	1.3	0												
4.0-4.5																
4.5-5.0									1.3	3.1	2	3.6				
5.0-5.5									0.49	1.1	0.76	0.16				
5.5-6.0																
6.0-6.5																
6.5-7.0	0.00	0.00	0.00	0.12												
7.0-7.5	0.4	0.48	0.23	0												
7.5-8.0																
Average	0.54	0.95	0.60	0.26	0.79	1.38	0.88	0.37	0.43	0.93	1.94	1.69	0.62	1.36	2.84	2.47
DEPTH (ft)	Concentrations at M34 (µg/g dry wt)				Mass (lb) at M-34				Total Mass (lb)							
	B	T	E	X	B	T	E	X	B	T	E	X				
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5	0	0.02	0	0												
2.5-3.0	0	0.03	0.09	0.03												
3.0-3.5	0.59	0.67	0.47	0.43												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5	0	0.89	0.67	0												
6.5-7.0	1.60	5.40	15.10	0.00												
7.0-7.5	0.4	0.64	0.48	0												
7.5-8.0																
Average	0.43	1.28	2.80	0.08	0.63	1.87	4.10	0.11	64.4	18.0	14.7	23.1				

FEW Final Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M0 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-0				Concentrations at M1 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-1			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5									0.07	0	0	0.43				
2.5-3.0	0.03	0.56	0.12	1.6												
3.0-3.5	0.04	0.21	0.07	0.93												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5	0.01	0.16	0.07	0.11					0.05	0.01	0	0.26				
6.5-7.0	0.09	0.19	0.00	0.75												
7.0-7.5																
7.5-8.0									0	0	0	0.43				
Average	0.04	0.28	0.07	0.85	0.04	0.25	0.06	0.74	0.06	0.01	0.00	0.35	0.05	0.00	0.00	0.30
DEPTH (ft)	Concentrations at M2 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-2				Concentrations at M3 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-3			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0									0	0.01	0	0.5				
2.0-2.5									0.11	0.12	0	1.9				
2.5-3.0		No data;														
3.0-3.5		Used average data														
3.5-4.0		from M-0, M-1, and M-3														
4.0-4.5																
4.5-5.0																
5.0-5.5									0.05	0.02	0	0.49				
5.5-6.0									0.05	0.04	0	0.52				
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0																
Average	0.05	0.11	0.02	0.68	0.05	0.10	0.02	0.60	0.05	0.05	0.00	0.85	0.05	0.04	0.00	0.75

FEW Final Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M4 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-4				Concentrations at M5 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-5			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5			0	0.75					0	0.01	0	0.91				
2.5-3.0																
3.0-3.5																
3.5-4.0																
4.0-4.5																
4.5-5.0									0.1	0.06	0	0.88				
5.0-5.5									0	0.01	0	0.6				
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0																
Average	0.03	0.01	0.00	0.75	0.03	0.01	0.00	0.66	0.03	0.03	0.00	0.80	0.03	0.02	0.00	0.70
DEPTH (ft)	Concentrations at M6 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-6				Concentrations at M7 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-7			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0									0	0.01	0	0.64				
2.0-2.5																
2.5-3.0																
3.0-3.5																
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5									0.01	0.11	0.05	0.84				
6.5-7.0																
7.0-7.5																
7.5-8.0																
Average	0.02	0.04	0.01	0.77	0.03	0.06	0.02	1.12	0.01	0.06	0.03	0.74	0.01	0.09	0.04	1.08



FEW Final Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M8 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-8				Concentrations at M9 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-9			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5																
2.5-3.0																
3.0-3.5		No data;														
3.5-4.0		Used average data														
4.0-4.5		from M-7, M-13														
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0																
	0.03	0.12	0.05	0.83	0.05	0.18	0.08	1.21	0.09	0.10	0.08	0.62	0.13	0.14	0.11	0.91
DEPTH (ft)	Concentrations at M10 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-10				Concentrations at M11 ( $\mu\text{g/g dry wt}$ )				Mass(lb) at M-11			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0									0	0	0	1.1				
1.0-1.5									0	0.01	0	1.3				
1.5-2.0									0	0.08	0	1				
2.0-2.5																
2.5-3.0	0.28	0.1	0	3.2					0	0	0	0.97				
3.0-3.5																
3.5-4.0	0	0.15	0	1.7												
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0									0	0.01	0	1.2				
6.0-6.5									0	0.03	0	1				
6.5-7.0	0.16	0.58	0.11	1.60												
7.0-7.5	0.02	0.79	0.32	3.6												
7.5-8.0	0	0.01	0	1.5												
Average	0.09	0.33	0.09	2.32	0.13	0.48	0.13	3.39	0.00	0.02	0.00	1.10	0.00	0.03	0.00	1.60

FEW Final Soil DTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M12 (µg/g dry wt)				Mass(lb) at M-12				Concentrations at M13(µg/g dry wt)				Mass(lb) at M-13			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0									0	0.05	0	0.49				
2.0-2.5									0	0.11	0	1.1				
2.5-3.0	0	0.15	0	1.3												
3.0-3.5																
3.5-4.0																
4.0-4.5																
4.5-5.0									0	0.06	0.08	0.86				
5.0-5.5									0.25	0.51	0.24	1.2				
5.5-6.0																
6.0-6.5																
6.5-7.0	0	0	0	1.90												
7.0-7.5																
7.5-8.0																
Average	0.00	0.08	0.00	1.60	0.00	0.11	0.00	2.34	0.06	0.18	0.08	0.91	0.09	0.27	0.12	1.34
DEPTH (ft)	Concentrations at M14 (µg/g dry wt)				Mass(lb) at M-14				Concentrations at M15 (µg/g dry wt)				Mass(lb) at M-15			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5																
2.5-3.0	0	0	0.18	0												
3.0-3.5	0	0	0.08	0												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0	0	0	0.03	0					0.11	0.09	0	1.2				
7.0-7.5	0.45	0.03	0	1.3					0	0	0	0.49				
7.5-8.0																
Average	0.11	0.01	0.07	0.33	0.16	0.01	0.11	0.48	0.06	0.05	0.00	0.85	0.08	0.07	0.00	1.24

FEW Final Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M16 (µg/g dry wt)			Mass (lb) at M-16			Concentrations at M17 (µg/g dry wt)			Mass (lb) at M-17		
	B	T	E	B	T	E	B	T	E	B	T	E
0-0.5												
0.5-1.0												
1.0-1.5												
1.5-2.0												
2.0-2.5	0.29	0	0									
2.5-3.0	0.33	0.8	0.34									
3.0-3.5												
3.5-4.0												
4.0-4.5												
4.5-5.0												
5.0-5.5												
5.5-6.0												
6.0-6.5												
6.5-7.0												
7.0-7.5												
7.5-8.0												
Average	0.31	0.40	0.17	0.45	0.59	0.25	- 2.93	0.03	0.41	0.00	0.04	0.60
												0.00
DEPTH (ft)	Concentrations at M18 (µg/g dry wt)			Mass (lb) at M-18			Concentrations at M19 (µg/g dry wt)			Mass (lb) at M-19		
	B	T	E	B	T	E	B	T	E	B	T	E
0-0.5	0	0.03	0.65									
0.5-1.0												
1.0-1.5												
1.5-2.0												
2.0-2.5												
2.5-3.0	0	0.13	1.4									
3.0-3.5	0.5	0.07	0									
3.5-4.0												
4.0-4.5												
4.5-5.0												
5.0-5.5												
5.5-6.0												
6.0-6.5	0.34	0.16	1.1									
6.5-7.0												
7.0-7.5												
7.5-8.0												
Average	0.21	0.10	0.79	0.31	0.14	1.15	0.84	0.07	0.27	0.00	0.24	0.39
												0.00

FEW Final Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M20 (µg/g dry wt)				Mass(lb) at M-20				Concentrations at M21 (µg/g dry wt)				Mass(lb) at M-21			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5		No data;														
2.5-3.0		Used average from							6.3	1.1	0.04	0.74				
3.0-3.5		M-15, M-21, and M-25														
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0																
Average	2.12	0.38	0.31	0.53	3.10	0.56	0.46	0.77	6.30	1.10	0.04	0.74	9.22	1.61	0.06	1.08
DEPTH (ft)	Concentrations at M22 (µg/g dry wt)				Mass(lb) at M-22				Concentrations at M23 (µg/g dry wt)				Mass(lb) at M-23			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0									0	0	0	1.02				
1.0-1.5																
1.5-2.0																
2.0-2.5																
2.5-3.0																
3.0-3.5	0.26	0.22	0.04	0												
3.5-4.0																
4.0-4.5																
4.5-5.0																
5.0-5.5																
5.5-6.0									0	0.02	0	0.64				
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0																
Average	0.26	0.22	0.04	0.00	0.38	0.32	0.06	0.00	0.00	0.01	0.00	0.83	0.00	0.01	0.00	1.21

FEW Final Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M24 (µg/g dry wt)				Mass (lb) at M-24				Concentrations at M25 (µg/g dry wt)				Mass (lb) at M-25			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0																
2.0-2.5	0.04	0.02	0.37	0												
2.5-3.0																
3.0-3.5	0.03	0	0.4	0												
3.5-4.0																
4.0-4.5									0	0	0.9	0				
4.5-5.0																
5.0-5.5																
5.5-6.0																
6.0-6.5																
6.5-7.0																
7.0-7.5																
7.5-8.0																
Average	0.04	0.01	0.39	0.00	0.05	0.01	0.56	0.00	0.00	0.00	0.90	0.00	0.00	0.00	1.32	0.00
DEPTH (ft)	Concentrations at M26 (µg/g dry wt)				Mass (lb) at M-26				Concentrations at M27 (µg/g dry wt)				Mass (lb) at M-27			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5																
0.5-1.0																
1.0-1.5																
1.5-2.0									0.21	2.3	0.45	0				
2.0-2.5																
2.5-3.0																
3.0-3.5																
3.5-4.0																
4.0-4.5									0.04	1.1	0.27	0				
4.5-5.0																
5.0-5.5									0	0.06	0	1.9				
5.5-6.0																
6.0-6.5																
6.5-7.0	0.00	0.00	0.00	0.58												
7.0-7.5																
7.5-8.0																
Average	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.85	0.08	1.15	0.24	0.63	0.12	1.69	0.35	0.93

FEW Final Soil BTEX Mass Calculation Table

DEPTH (ft)	Concentrations at M28 (µg/g dry wt)				Mass(lb) at M-28				Concentrations at M29 (µg/g dry wt)				Mass(lb) at M-29			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5									0	0.03	0	0.65				
0.5-1.0									0	0.12	0	0.85				
1.0-1.5									0	0	1.2	0				
1.5-2.0									0	0.15	1.9	0				
2.0-2.5	0.03	0.15	1	0												
2.5-3.0	0	0.38	1	0												
3.0-3.5	0.06	0.09	0.2	0												
3.5-4.0	0.09	0.29	0.25	0												
4.0-4.5																
4.5-5.0									0.01	0.11	0.74	0				
5.0-5.5	0.02	1.5	1.7	0.7					0.01	0.02	0.11	0				
5.5-6.0	0.22	1.1	1.4	0.42												
6.0-6.5																
6.5-7.0									0.04	0.17	1.40	0				
7.0-7.5	0.06	0.04	0	0.27					0.03	0.14	1.8	0				
7.5-8.0	0.1	0	0.24	0					0.36	1	1.8	0				
Average	0.07	0.44	0.72	0.17	0.11	0.65	1.06	0.25	0.05	0.19	0.99	0.17	0.07	0.28	1.45	0.24
DEPTH (ft)	Concentrations at M30 (µg/g dry wt)				Mass(lb) at M-30				Concentrations at M31 (µg/g dry wt)				Mass(lb) at M-31			
	B	T	E	X	B	T	E	X	B	T	E	X	B	T	E	X
0-0.5									0	0.08	0	3.6				
0.5-1.0									0	0.01	0	4				
1.0-1.5									0	0	0	3.5				
1.5-2.0																
2.0-2.5																
2.5-3.0																
3.0-3.5	0	0.06	0	0.6												
3.5-4.0																
4.0-4.5																
4.5-5.0									0	0	0	1.5				
5.0-5.5																
5.5-6.0	0	0.02	0	0.64					0	0.02	0	2				
6.0-6.5	0	0.17	0	0.81					0	0	0	1.5				
6.5-7.0	0	0.04	0	0.71												
7.0-7.5									0	0	0	2				
7.5-8.0									0	0	0	1.2				
Average	0.00	0.07	0.00	0.69	0.00	0.11	0.00	1.01	0.00	0.01	0.00	2.41	0.00	0.02	0.00	3.53



[illegible]



FEW Final Soil Naphthalene Mass Calculation Table

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**APPENDIX 6**

**SOIL HYDROCARBON MASS REMOVAL CALCULATIONS BASED ON RESPIRATION  
RATES**

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TPH Mass Removal Estimate Using Respiration Rate

Respiration Monitoring Point	Apr-93		Aug-93		Nov-93		Feb-94		Jul-94		Oct-94		Dec-94		TPH Removal (as Hexane) lbs	
	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0400	0.0	-0.0400	176	-0.0400	169
	0.0		0.0		0.0		0.0		0.0		-0.0470		-0.0470		-0.0470	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	0.0	0.0	-0.0280	0.0	-0.0280	99	-0.0280	131
	0.0		0.0		0.0		-0.0047		0.0		-0.0440		-0.0440		-0.0440	
	-0.0225		0.0		0.0		-0.1187		0.0		-0.0500		-0.0500		-0.0500	
3	0.0	0.0	0.0	0.0	-0.0260	29.1	-0.0157	20.5	-0.0690	211	-0.0660	211	-0.0660	155	-0.0660	207
	0.0		0.0		-0.0230		-0.0170		-0.0670		-0.0330		-0.0330		-0.0330	
	0.0		0.0		-0.0180		-0.0110		-0.0460		-0.0330		-0.0330		-0.0330	
4	-0.0373	187	0.0	0.0	-0.0534	138	-0.0292	102	-0.0896	475	-0.0320	62	-0.0320	62	-0.0320	82
	-0.0376		0.0		-0.0760		-0.0418		-0.1147		-0.0330		-0.0330		-0.0330	
	-0.089		0.0		-0.1020		-0.0550		-0.1387		0.0		0.0		0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	-0.0142	63.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0		0.0		0.0		-0.0278		0.0		0.0		0.0		0.0	
	0.0		0.0		0.0		-0.0453		0.0		0.0		0.0		0.0	
6	-0.0173	67.2	-0.0488	255	-0.0343	80.4	-0.0253	61.7	-0.0225	168.27	-0.0590	160	-0.0590	160	-0.0590	214
	-0.0242		-0.0866		-0.0514		-0.0286		-0.0617		-0.0670		-0.0670		-0.0670	
	-0.0322		-0.0796		-0.0585		-0.0311		-0.0656		-0.0580		-0.0580		-0.0580	
7	0.0	0.0	0.0	0.0	-0.0114	7.3	-0.0099	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0096		0.0		-0.0082		-0.0098		0.0		0.0		0.0		0.0	
	-0.0116		0.0		-0.0145				0.0		0.0		0.0		0.0	
8	0.0	0.0	-0.0422	131	0.0	0.0	-0.0047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0		-0.0345		0.0		-0.0089		0.0		0.0		0.0		0.0	
	0.0		-0.0448		-0.0153		-0.0088		0.0		-0.0050		-0.0050		-0.0050	
9	-0.0055	16.2	0.0	19.1	-0.0017	9.7	-0.0072	7.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.011		-0.0208		-0.0170		-0.0115		-0.0156		0.0		0.0		0.0	
	-0.0193		-0.0167		-0.0190		-0.0114		-0.0218		0.0		0.0		0.0	
10	0.0	26.9	0.0	86	0.0	9.9	-0.0184	21.4	0.0	0.0	0.0	13.8	0.0	13.8	0.0	18.4
	-0.0191		-0.0310		0.0		-0.0262		-0.0180		0.0		0.0		0.0	
	-0.0243		-0.0367		-0.0380		0.0000		0.0		-0.0370		-0.0370		-0.0370	
11	-0.0229	74	0.0	0.0	-0.0130	8.2	-0.0253	193	0.0	313	0.0	93	0.0	93	0.0	123
	-0.0557		0.0		0.0		-0.0670		-0.0430		-0.0490		-0.0490		-0.0490	
	0.0		0.0		-0.0224		-0.1243		-0.2159		-0.0670		-0.0670		-0.0670	
12	0.0	31.2	-0.0192	63.5	-0.0120	17.9	-0.0116	17.5	0.0	67.2	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0213		-0.0235		-0.0160		-0.0124		-0.0290		0.0		0.0		0.0	
	-0.0253		-0.0282		-0.0220		-0.0167		-0.0447		0		0		0	
13	-0.0311	114	-0.1074	396	-0.0290	71.0	-0.0151	29.4	-0.0536	282	0	0.0	0.0091	0.0	0.0091	0.0

TPH Mass Removal Estimate Using Respiration Rate

Respiration Monitoring Point	Apr-93		Aug-93		Nov-93		Feb-94		Jul-94		Oct-94		Dec-94	
	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs	Mean O2 Uptake Rate (%/hr)	TPH Removal (as Hexane) lbs
14	-0.0136		-0.0980		-0.0440		-0.0168		-0.0810		0		-0.0049	
	-0.0445		-0.1161		-0.0570		-0.0207		-0.1012		0		-0.01	
	-0.007	32.0	-0.0203	105	-0.0110	23.8	-0.0065	4.2	-0.0125	38.9	-0.0060	0.0	0.0095	0.0
	-0.019		-0.0365		-0.0220		-0.0032		0		0		0.012	
15	-0.0212		-0.0452		-0.0260		-0.0176		-0.0399		0		-0.0058	
	-0.0068	4.5	0.0	0.0	0.0	0.0	-0.0043	0.0	0	0.0	0	0.0	0	0.0
	-0.0083		-0.0071		0.0		-0.0052		0		0		0	
	-0.0114		-0.0117		0.0		0.0000		0		0		0	
16	0.0	0.0	-0.0092	27.5	0.0	0.6	-0.0078	0.0	0	17.3	0	0	0	0.0
	0.0		-0.0159		-0.0090		-0.0057		0		0		0	
	-0.0149		-0.0187		-0.0150		-0.0074		-0.0361		0		0	
17	-0.0233	60.3	-0.0084	28.5	0.0	23.2	-0.0061	8.7	-0.0391	93	0	19.8	0	26.4
	-0.0192		-0.0133		-0.0230		-0.0100		0		0		0	
	-0.026		-0.0229		-0.0350		-0.0157		-0.0541		-0.0430		-0.0430	
18	0.0	49.8	0.0	229	-0.0279	81.1	-0.0065	12.9	-0.0467	274	0	20.8	0.01	0.0
	-0.0246		-0.0738		-0.0466		-0.0122		-0.0784		-0.0440		0.0080	
	-0.016		-0.1219		-0.0707		-0.0174		-0.1042		0		0.01	
19	-0.0376	140	-0.0681	301	-0.0603	75.2	-0.0161	43.1	-0.0651	266	0	0.0	-0.022	191
	-0.0437		-0.0935		-0.0761		-0.0210		-0.0772		0		-0.045	
	-0.047		-0.0885		0.0		-0.0293		-0.0814		0		-0.1	
20	-0.0059	0.0	0.0	0.0	0.0	0.0	-0.0026	0.0	-0.0114	0.0	-0.0040	0.0	-0.0040	0.0
	0.0		0.0		0.0		-0.0026		-0.0114		-0.0005		-0.0006	
	-0.0093		-0.0094		0.0		-0.0078		0		-0.0033		-0.0015	
21	0.0	0.0	0	0.0	0.0	0.0	-0.0021	0.0	0	74	-0.0004	2.6	-0.0005	8.0
	0.0		-0.0053		0.0		-0.0047		-0.0253		-0.0071		-0.0085	
	-0.0086		-0.0089		-0.0156		-0.0047		-0.0533		-0.0182		-0.0201	
22	0.0	0.0	0.0	0.0	0.0	0.0	-0.0040	0.0	0	0.0	-0.0008	0.0	-0.0010	0.0
	0.0		-0.0180		-0.0097		-0.0083		0.0		-0.0072		-0.0086	
	-0.0194		-0.0023		0.0		-0.0083		-0.0048		-0.0070		-0.0045	
23	-0.0102	59.1	-0.0141	77	-0.0149	0.0	-0.0071	2.4	0.0	143	-0.0093	40.7	-0.0091	53.3
	-0.0255		-0.0291		0.0		-0.0096		-0.0736		-0.0276		-0.0280	
	-0.0319		-0.0379		0.0		-0.0088		-0.0571		-0.0271		-0.0262	
24	-0.0242	108	-0.0410	152	0.0	5.0	-0.0081	10.5	-0.0510	287	-0.0450	131	-0.0450	175
	-0.0381		-0.0071		0.0		-0.0158		-0.0849		-0.0560		-0.0560	
	-0.0423		-0.0892		-0.0306		-0.0096		-0.1030		-0.0540		-0.0540	
25	0.0	0.0	0.0	0.0	0.0	0.0	-0.0026	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0		-0.0127		0.0		-0.0022		0.0		0.0		0.0	

TPH Mass Removal Estimate Using Respiration Rate

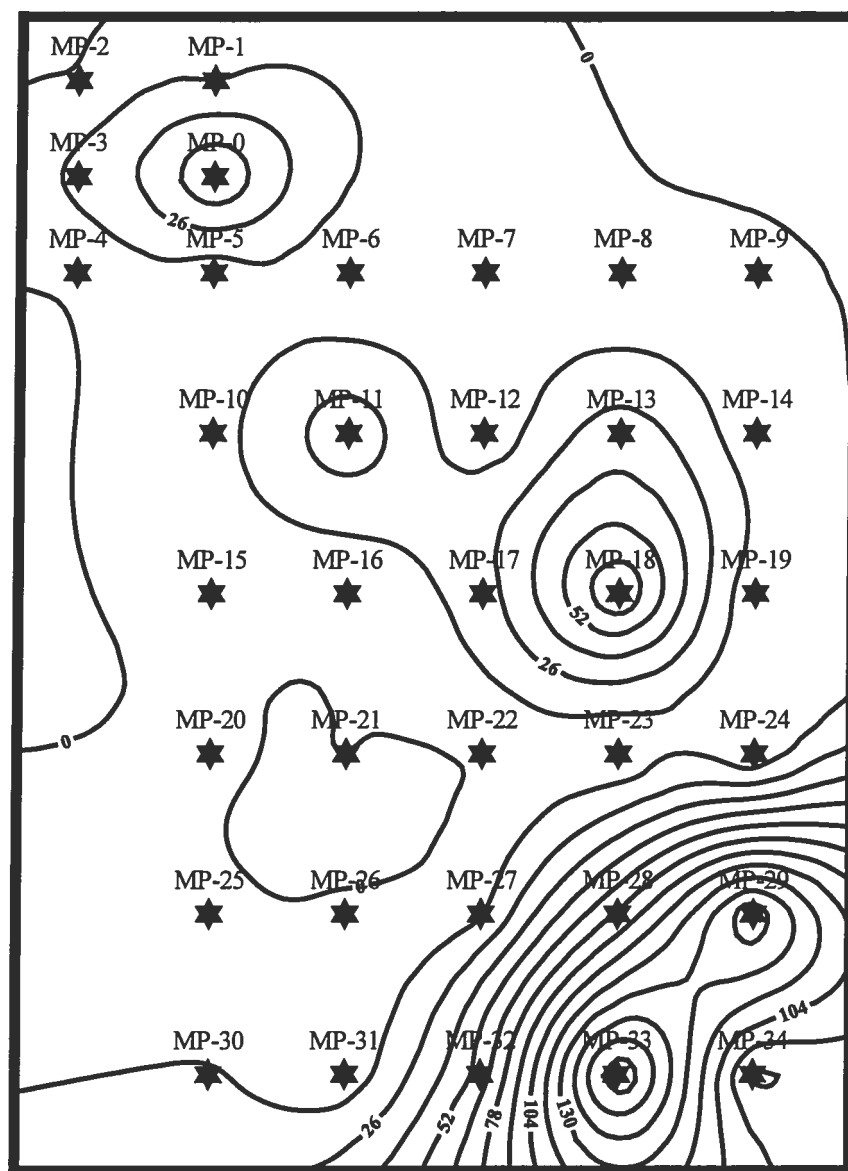
Respiration Monitoring Point	Apr-93	Aug-93	Nov-93	Feb-94	Jul-94	Oct-94	Dec-94	TPH Removal (as Hexane) lbs	TPH Removal (as Hexane) lbs	TPH Removal (as Hexane) lbs	TPH Removal (as Hexane) lbs
	Mean O2 Uptake Rate (%/hr)	Mean O2 Uptake Rate (%/hr)	Mean O2 Uptake Rate (%/hr)	Mean O2 Uptake Rate (%/hr)	Mean O2 Uptake Rate (%/hr)	Mean O2 Uptake Rate (%/hr)	Mean O2 Uptake Rate (%/hr)				
26	0.0	-0.0019	0.0	-0.0043	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0076	-0.0036	-0.0031	-0.0160	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0085	-0.0066	-0.0047	-0.0095	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	-0.0238	-0.0082	0.0	-0.0083	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0499	0.0	211	-0.0163	34.7	0.0	0.0	0.0	0.0	124	166
	-0.0535	-0.0868	-0.0622	-0.0234	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28*	-0.0314	-0.0951	-0.0691	-0.0182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0374	0.0	0.0	-0.0386	37.5	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0401	0.0	-0.0204	-0.0222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29*	-0.063	-0.0714	-0.0718	-0.0312	81	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0869	-0.1108	-0.1844	-0.0570	-0.3280	0.0	0.0	0.0	0.0	0.0	0.0
30	-0.2245	-0.3939	-0.2218	-0.0570	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.0065	0.0	0.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	-0.0184	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	-0.0010	-0.0050	-0.0010	0.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0000	0.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33*	-0.0035	0.0	0.0	-0.0330	17.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0012	0.0	0.0	-0.0072	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34*	-0.0333	-0.0927	-0.0439	-0.0556	138	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0465	-0.1004	-0.0778	-0.0472	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.0547	-0.1295	-0.0867	-0.0639	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal:			3214	1115	1017	4075		1486		2149	14,842
Note:	1. The mass removal rate is calculated using the respiration rate corrected for background bioactivity (0.0077 %/hr)										
	2. Periods covered by each respiration test are as follows:										
	4/93: 4 months; 8/93: 4 months; 11/93: 2 months; 2/94: 3 months; 7/94: 4 months; 10/94: 3 months; 12/94: 4 months.										

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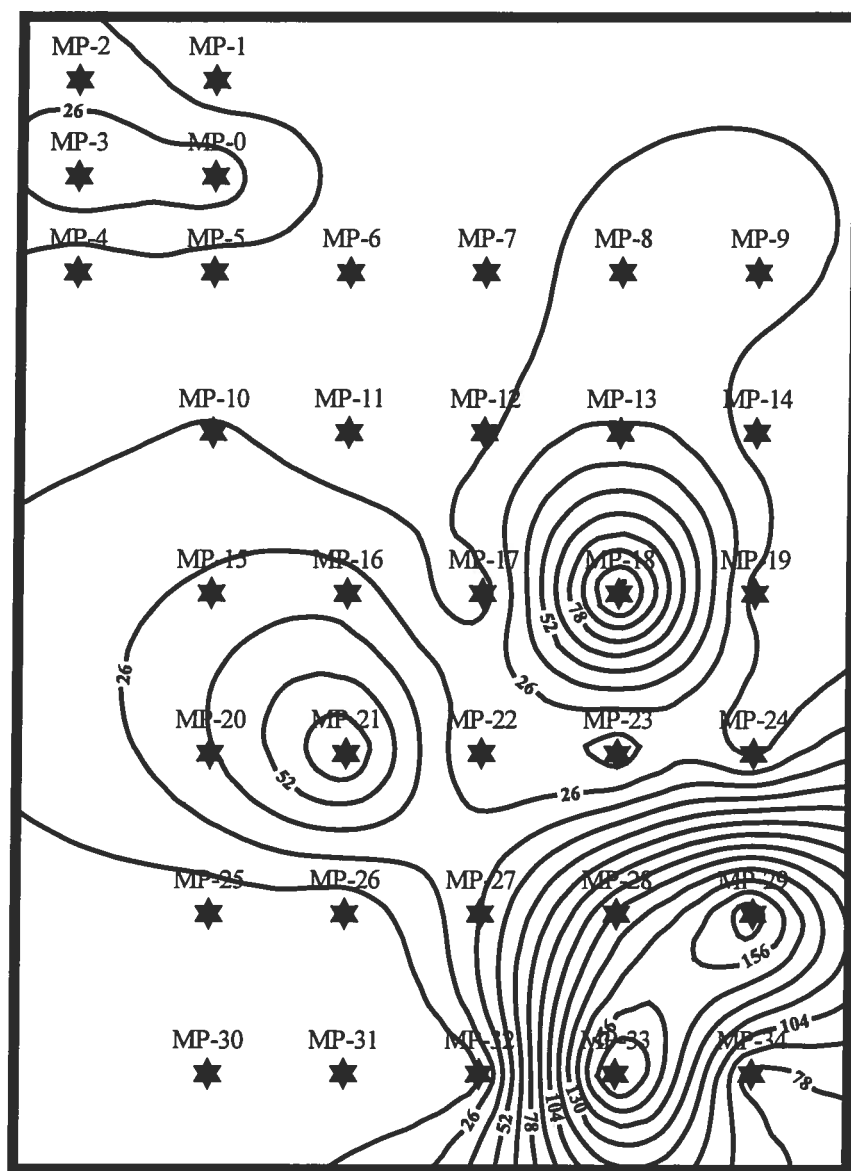
**APPENDIX 7**  
**CONCENTRATION PROFILE PLOTS**



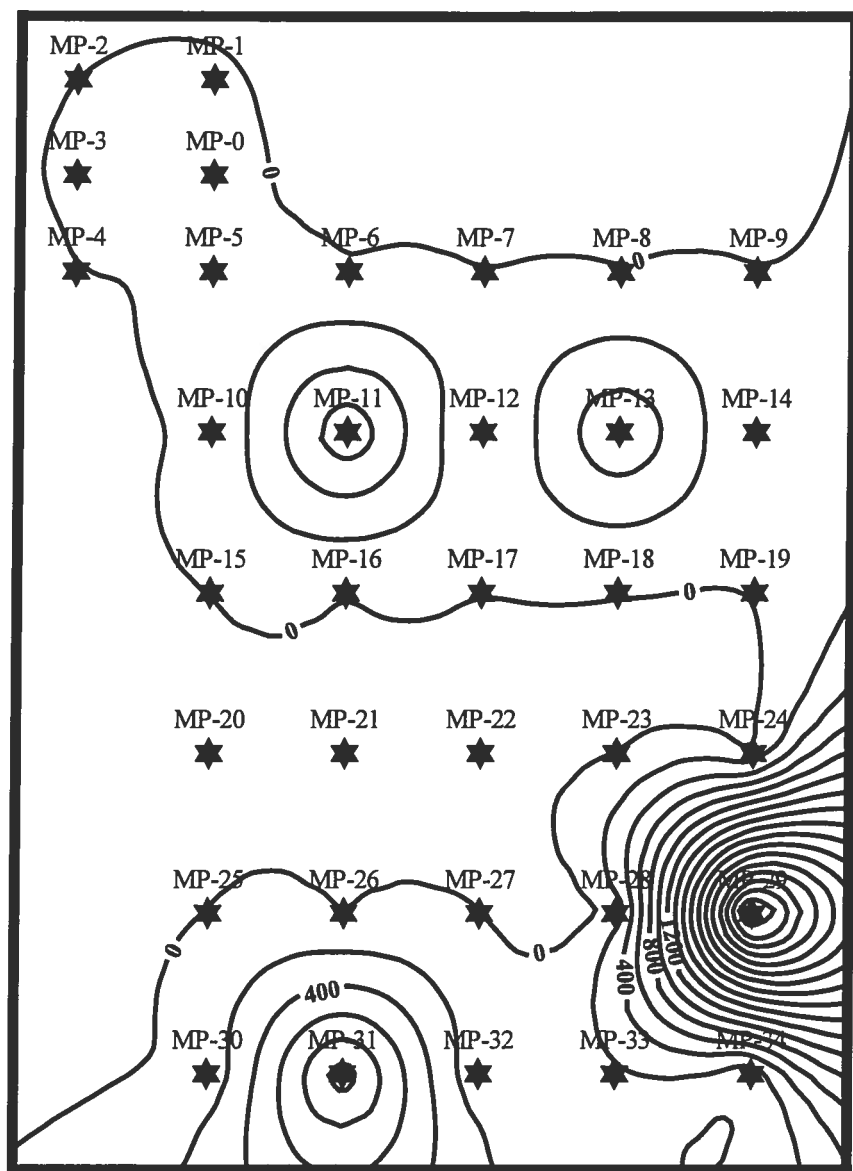
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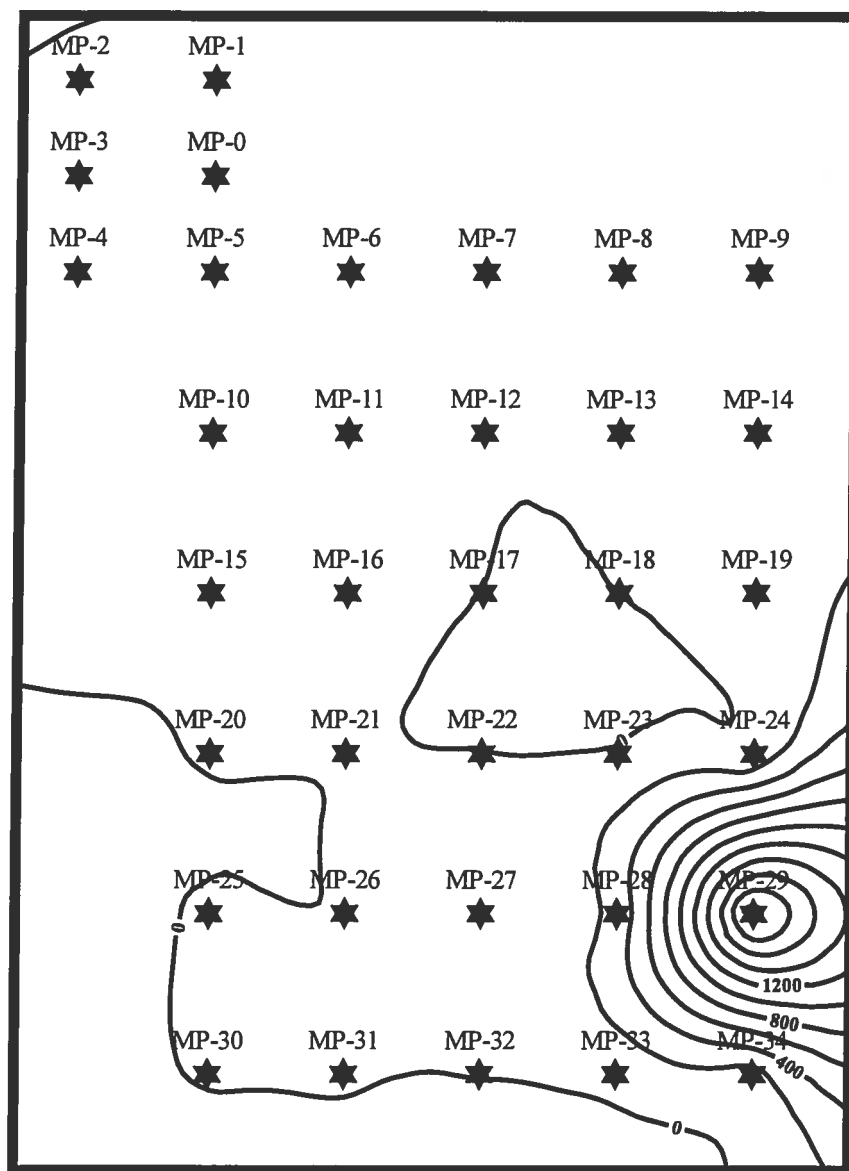
Initial Volatile TPH Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



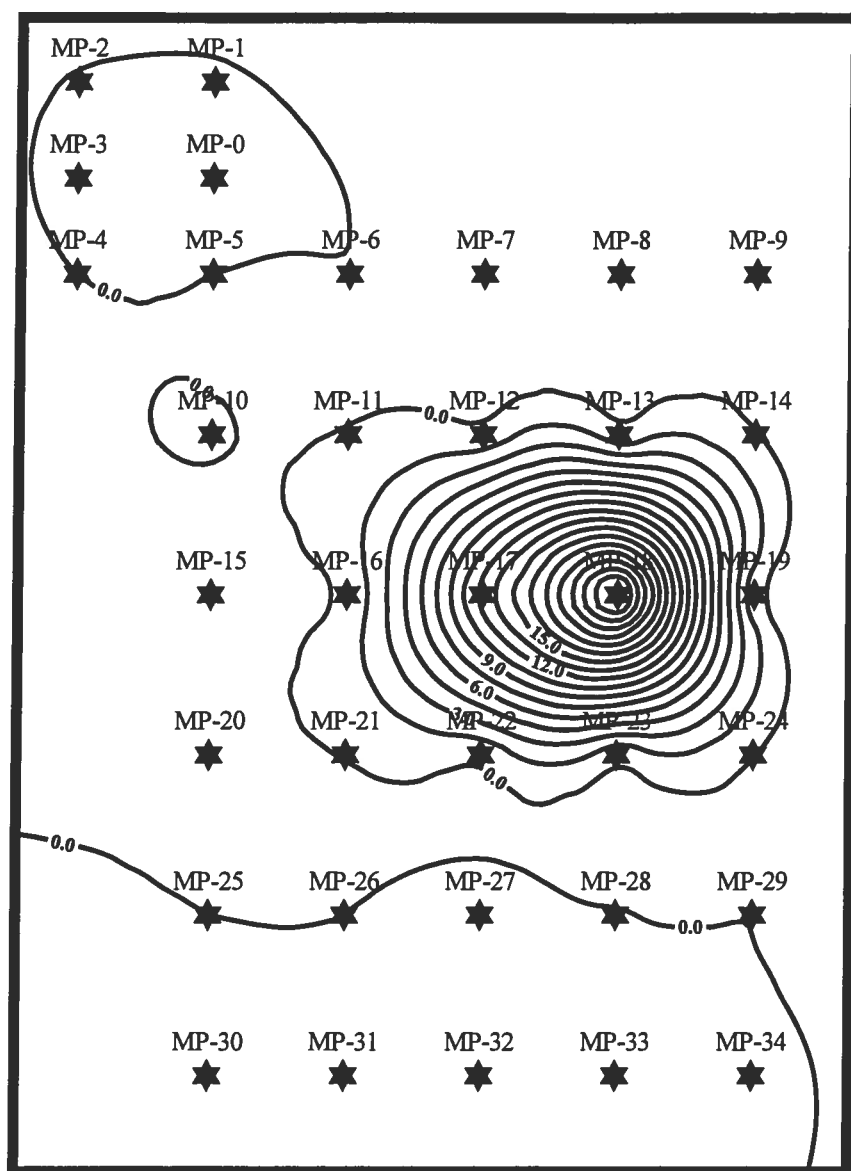
Final Volatile TPH Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



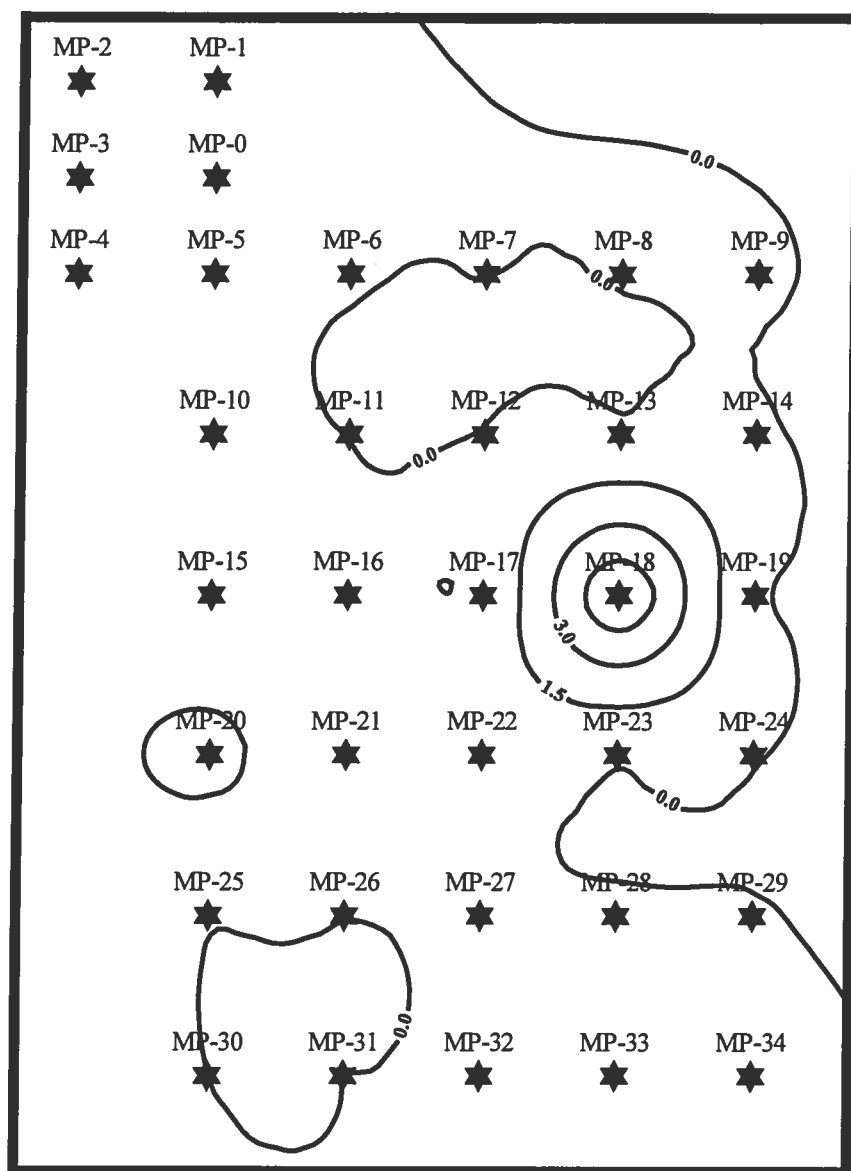
Initial Semivolatile TPH Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



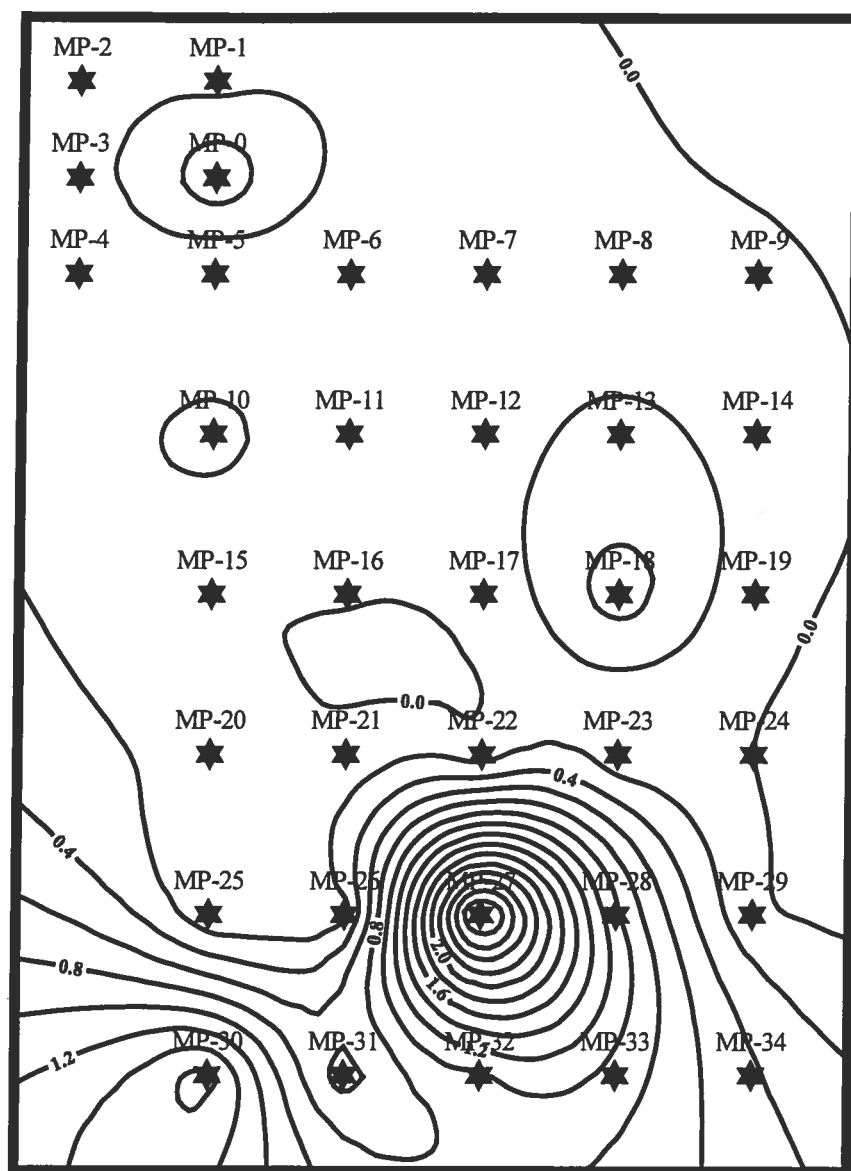
Final Semivolatile TPH Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



Initial Soil Benzene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.

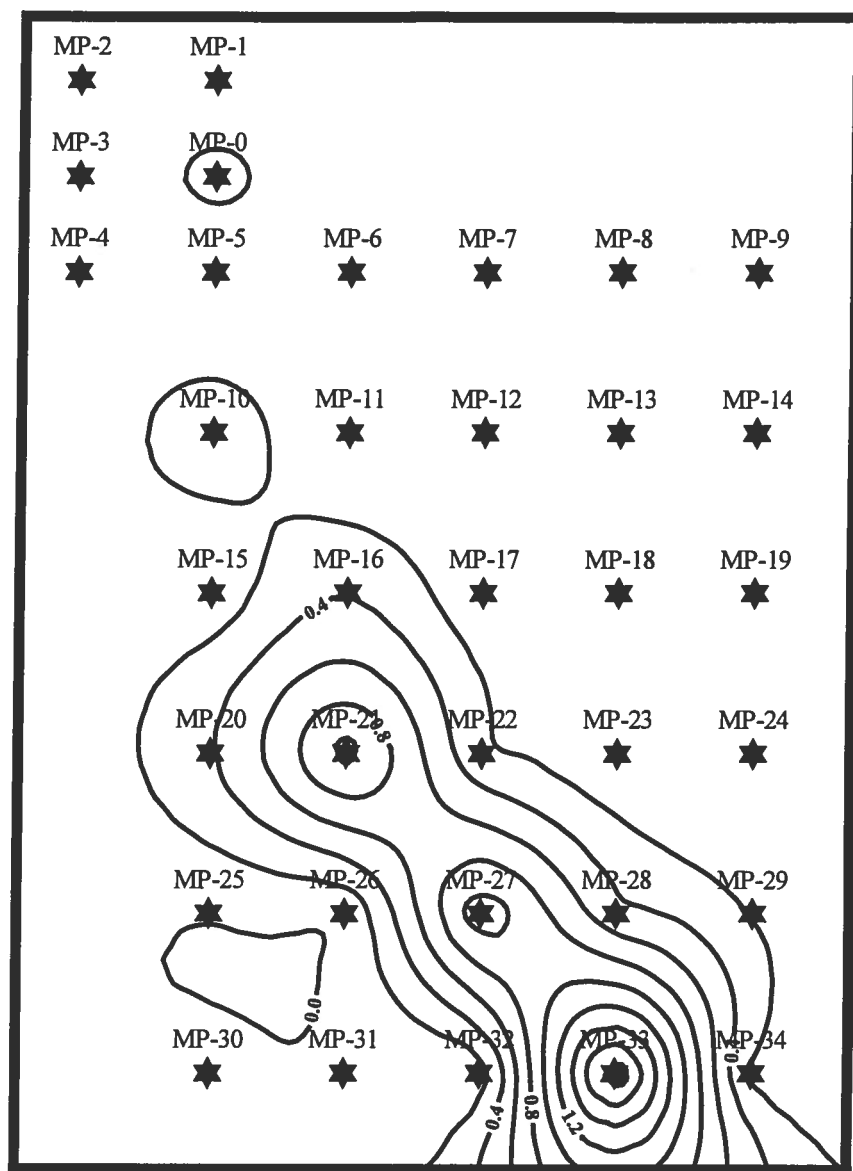


Final Soil Benzene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.

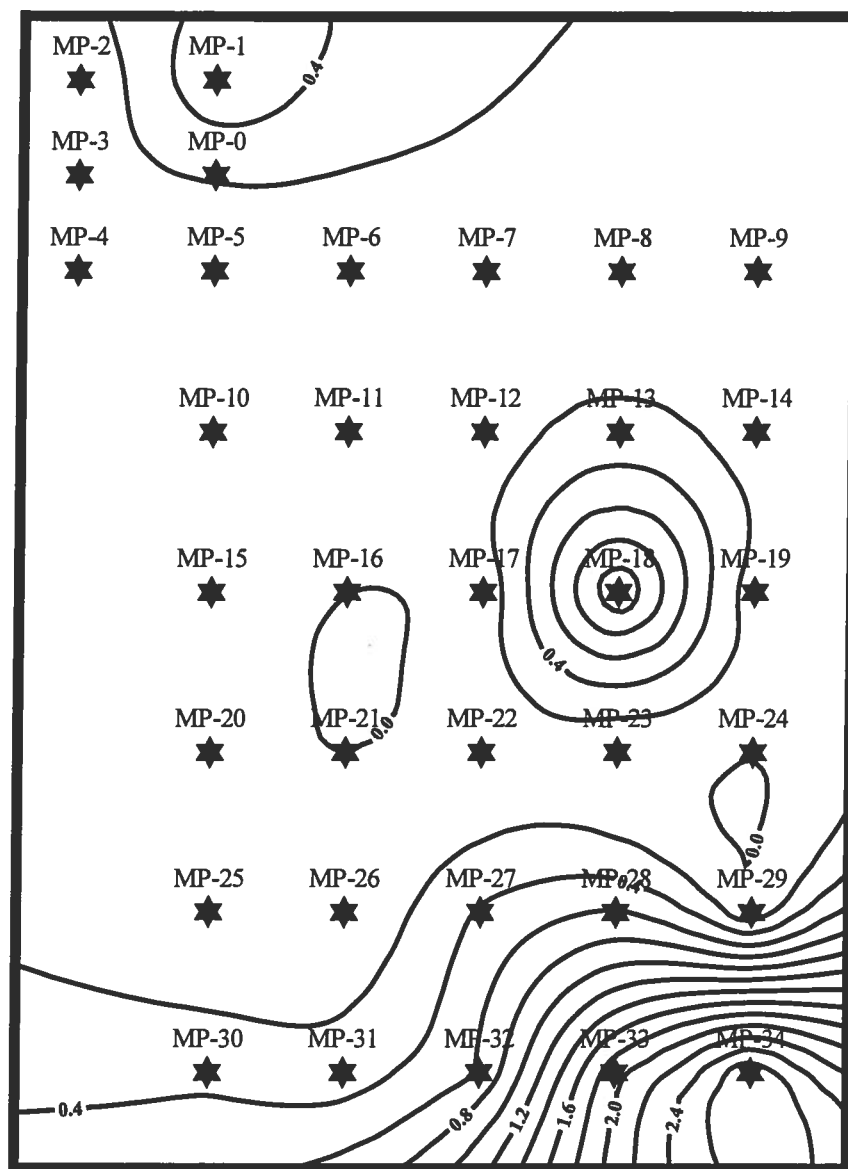


Initial Soil Toluene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.

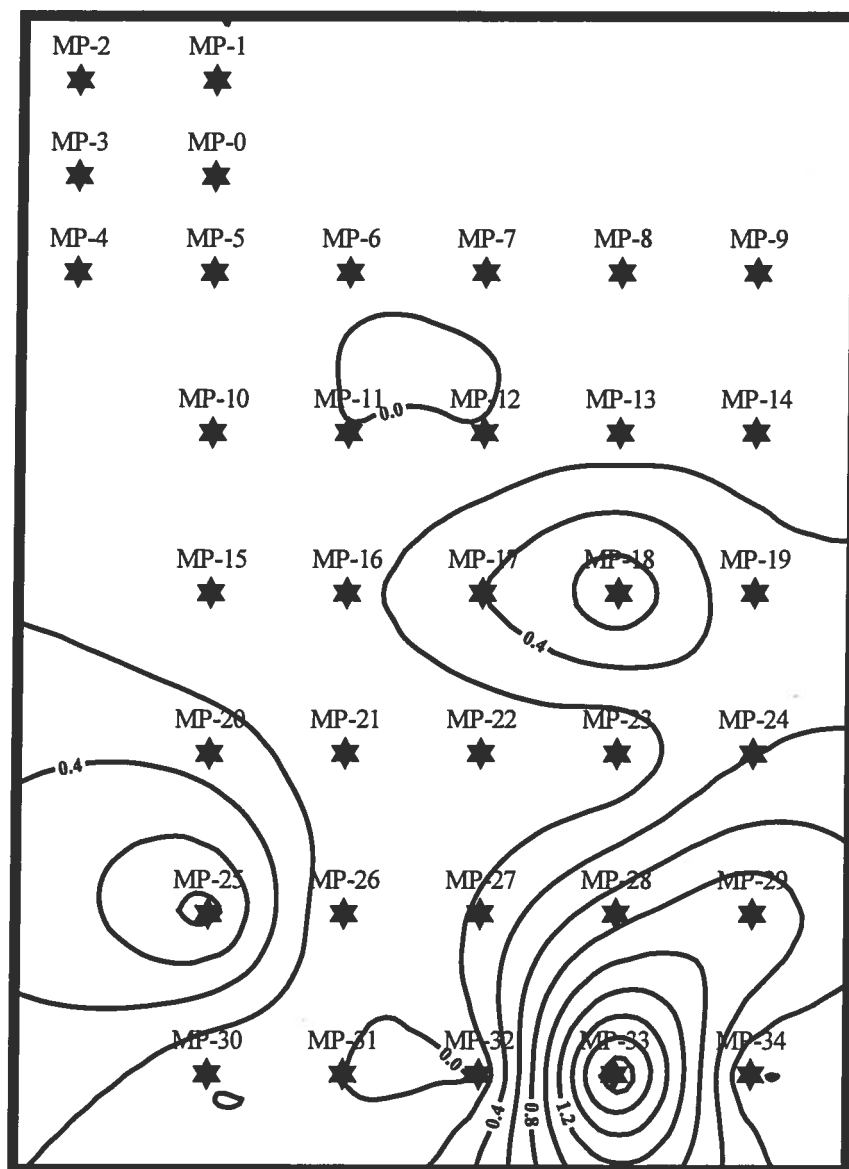




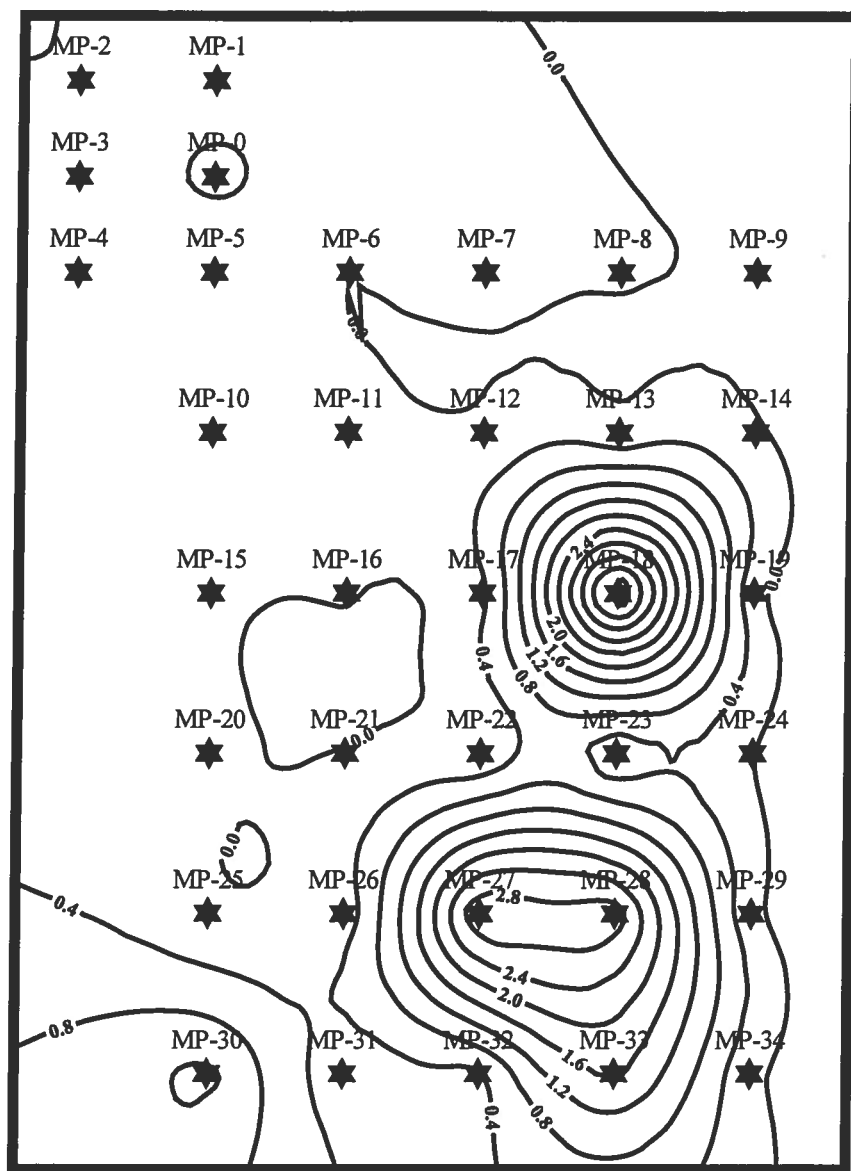
Final Soil Toluene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



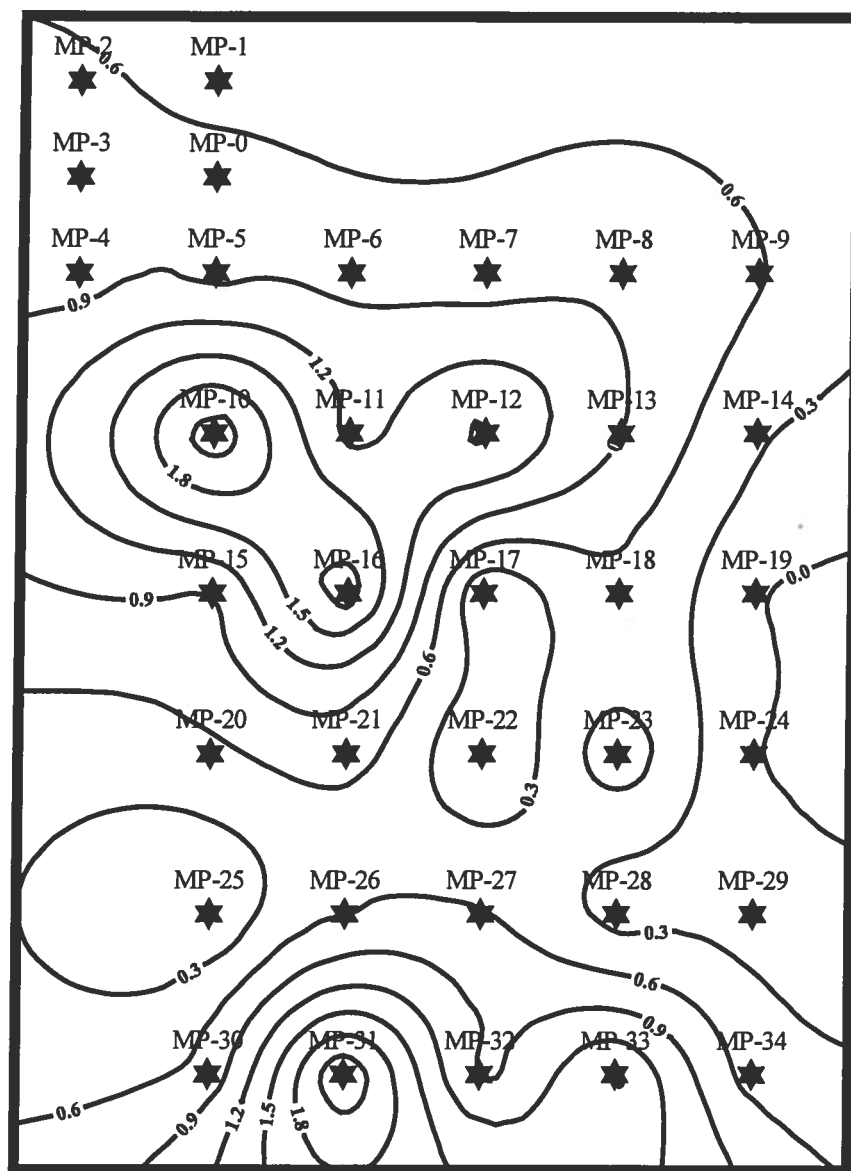
Initial Soil Ethylbenzene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



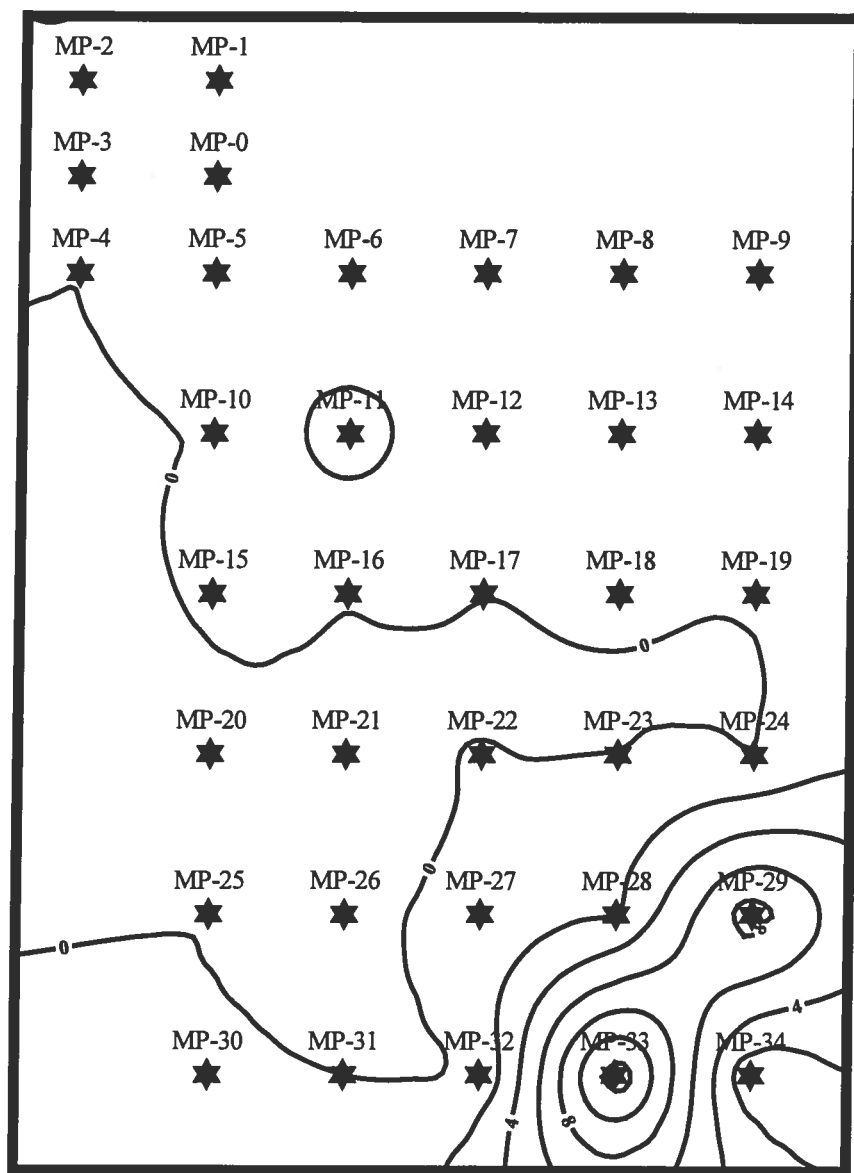
Final Soil Ethylbenzene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



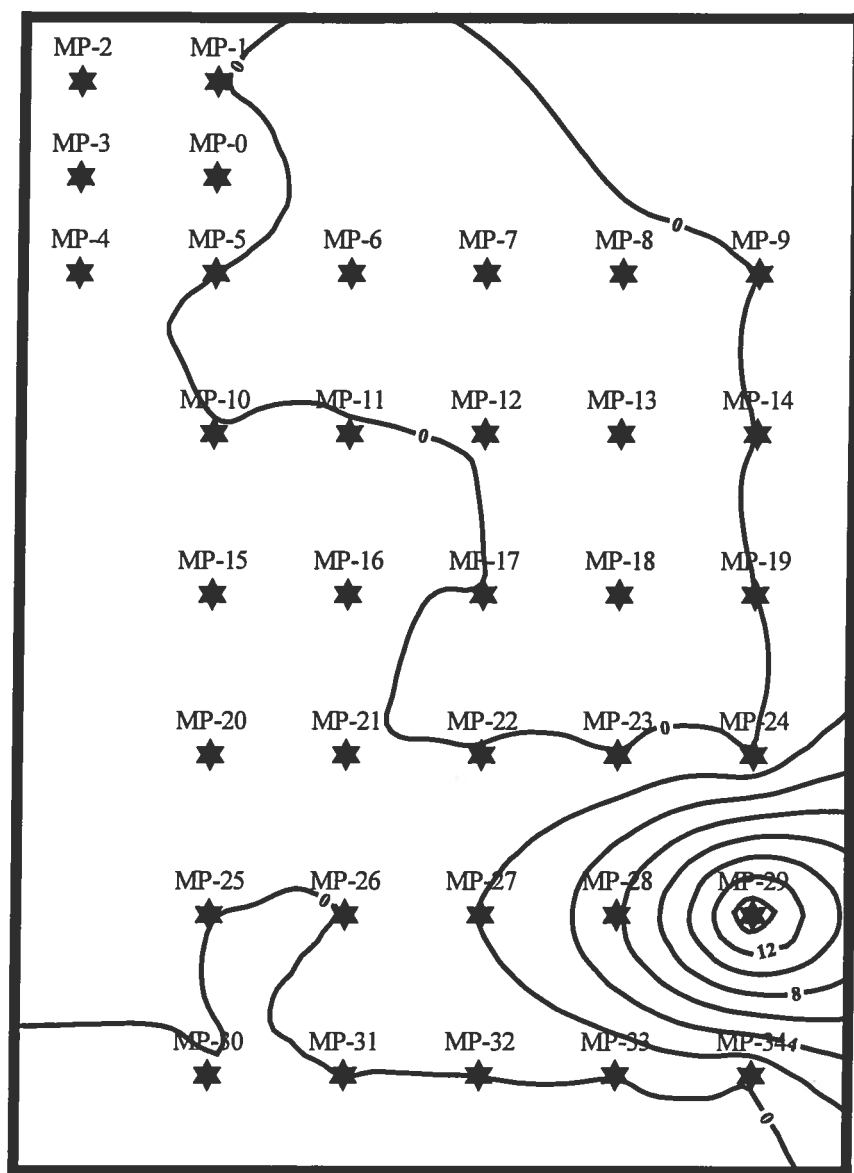
Initial Soil Xylene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



Final Soil Xylene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



Initial Soil Naphthalene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.



Final Soil Naphthalene Concentration Profile at the Bioventing Demonstration Site at FPTA#1.

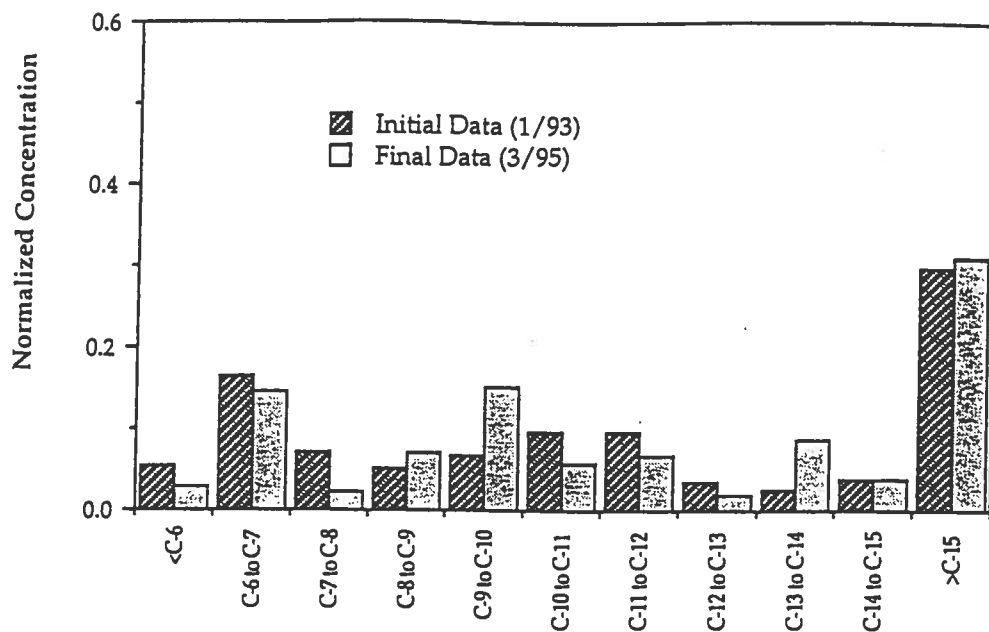
## **APPENDIX 8**

### **PLOTS OF HYDROCARBON BOILING POINT RANGES FOR INDIVIDUAL MONITORING POINTS**

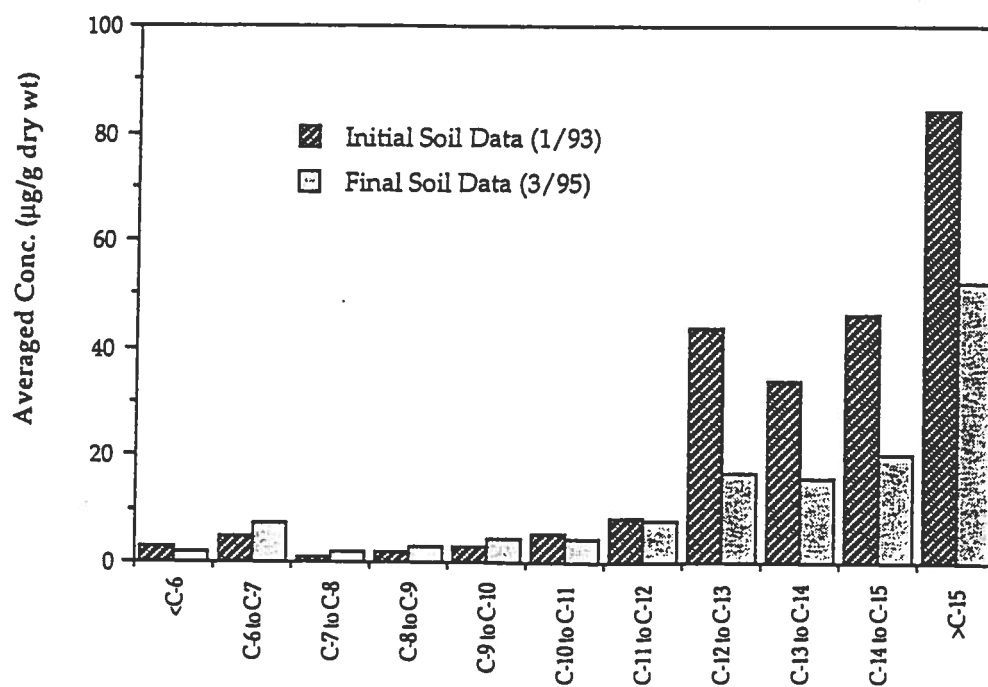


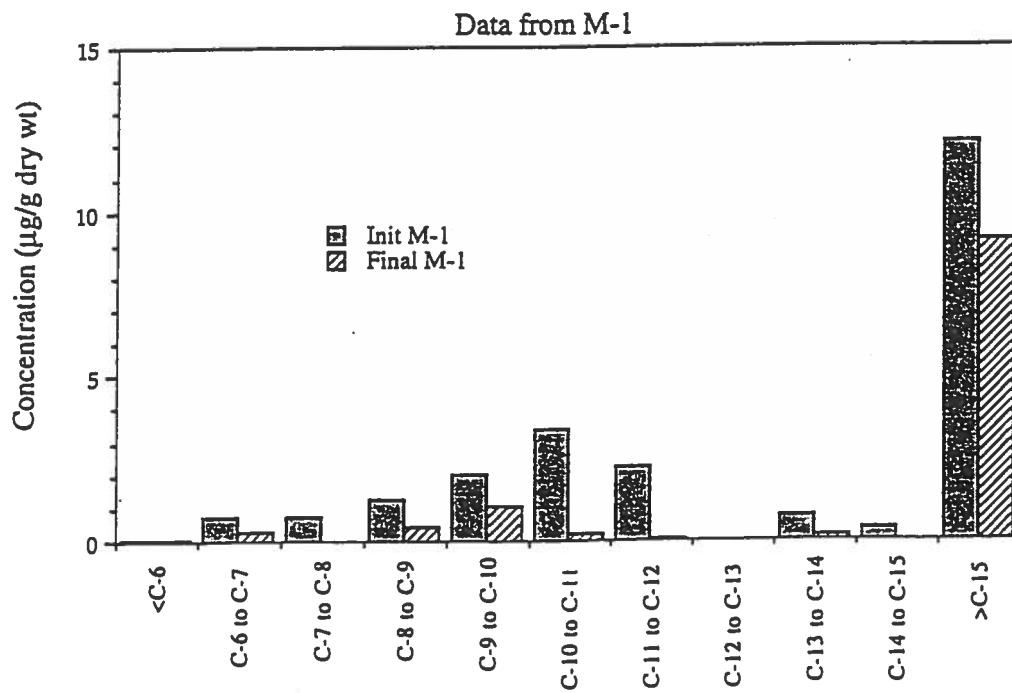
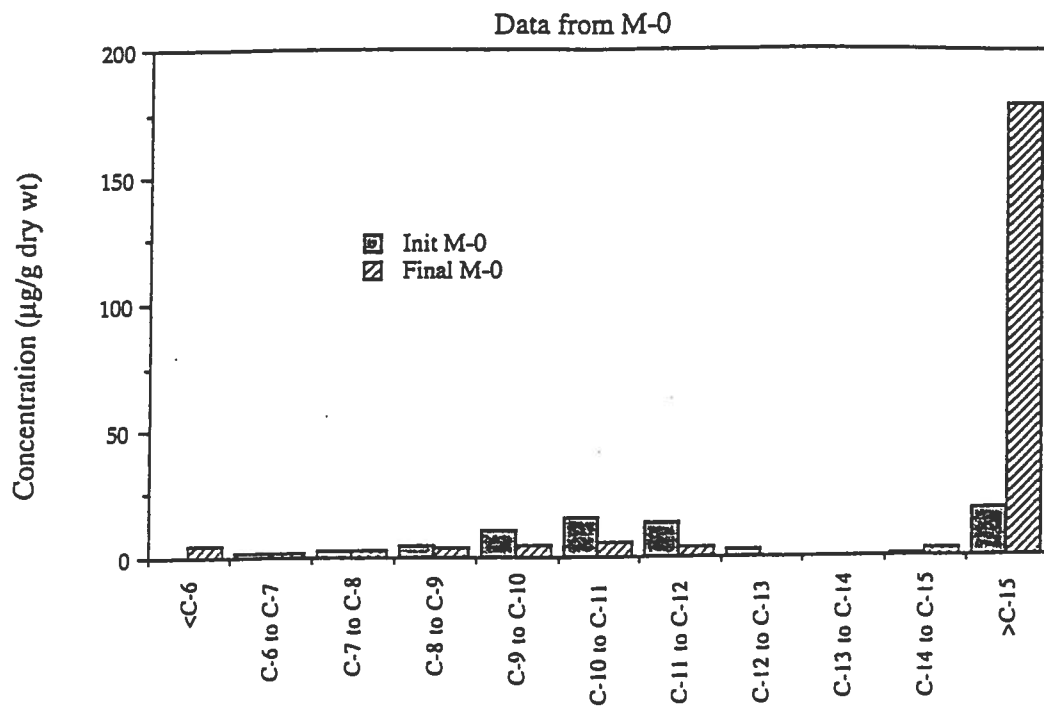
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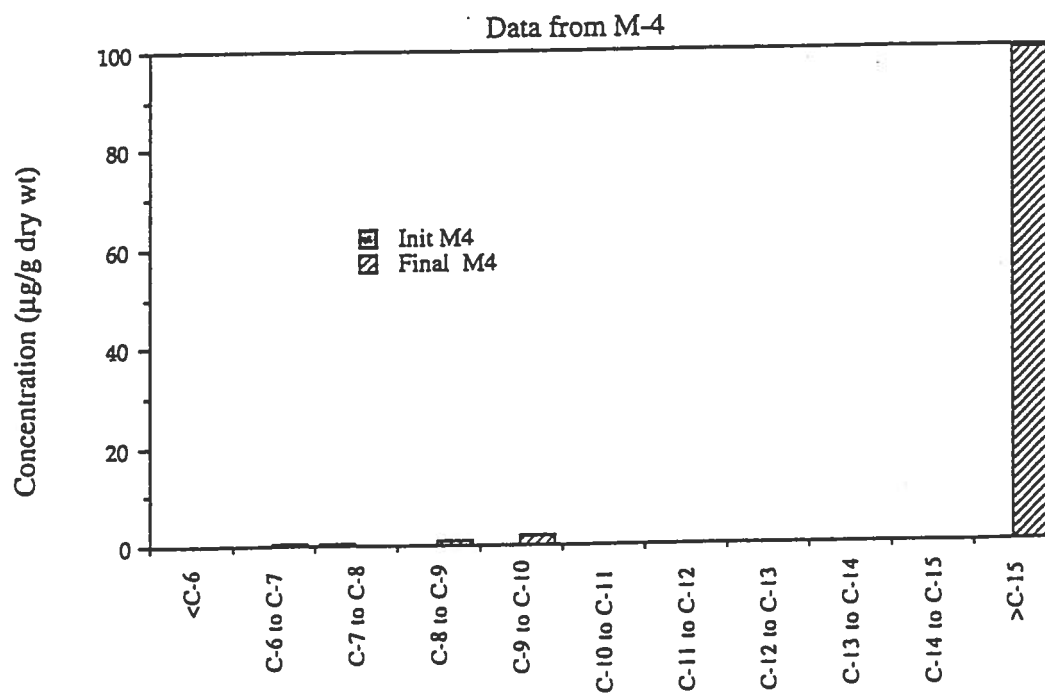
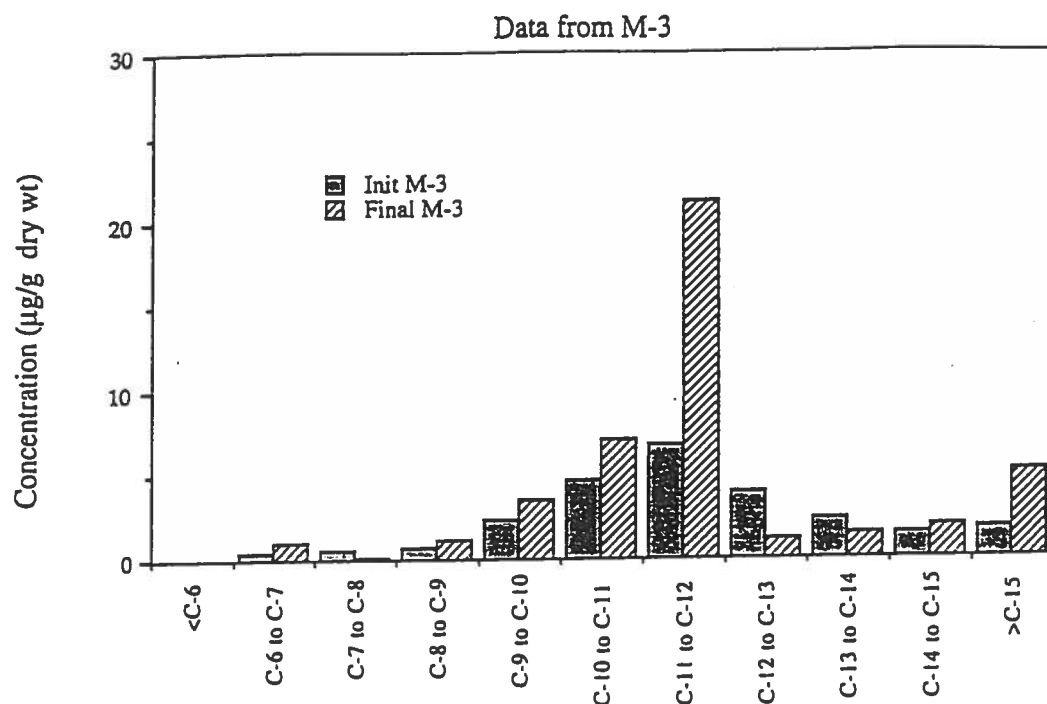
Normalized Conc. by Boiling Point range at FEW AFB Fire Training Site

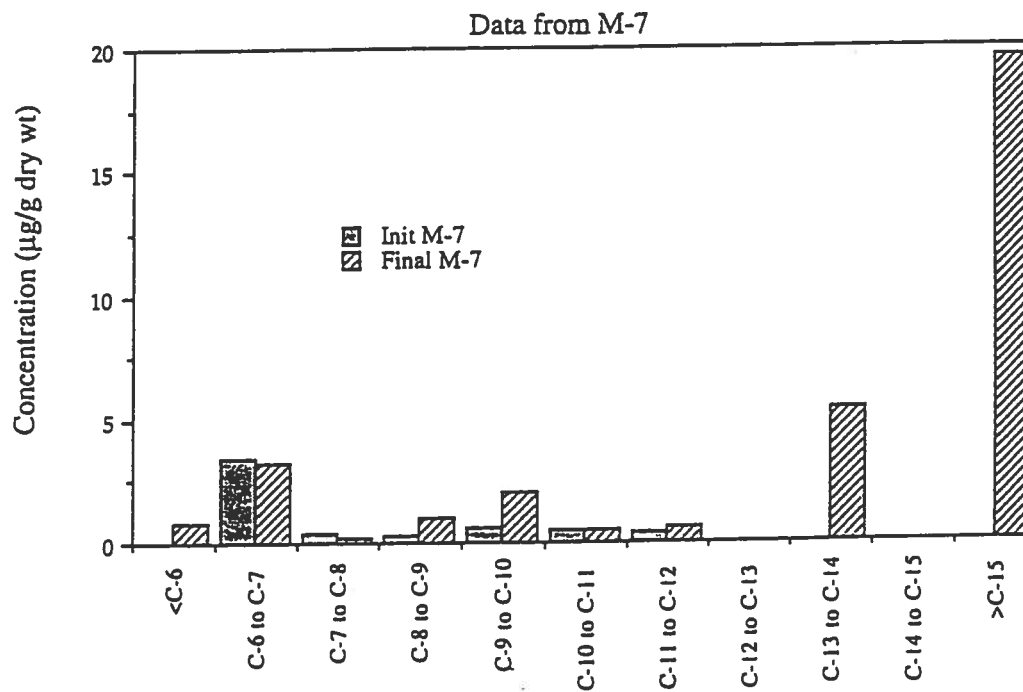
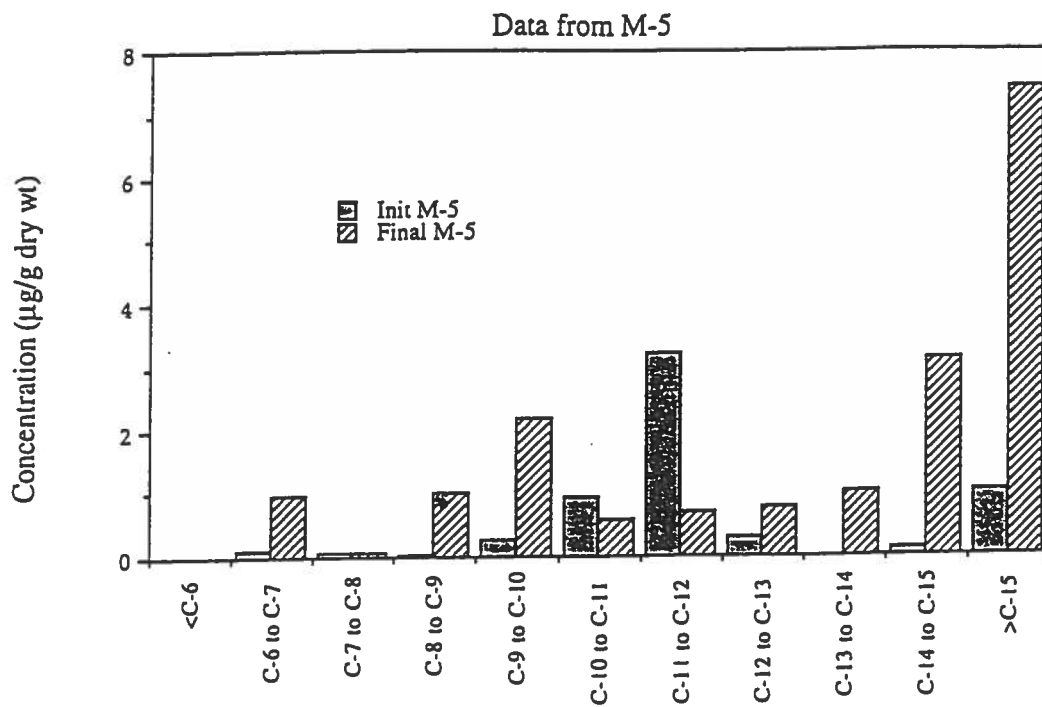


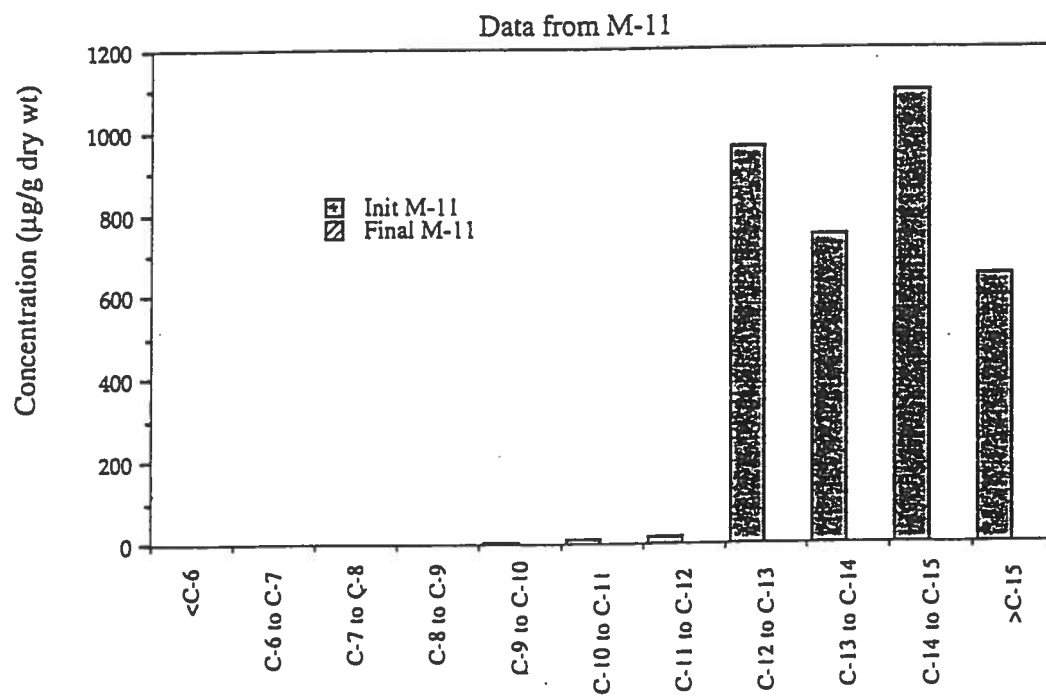
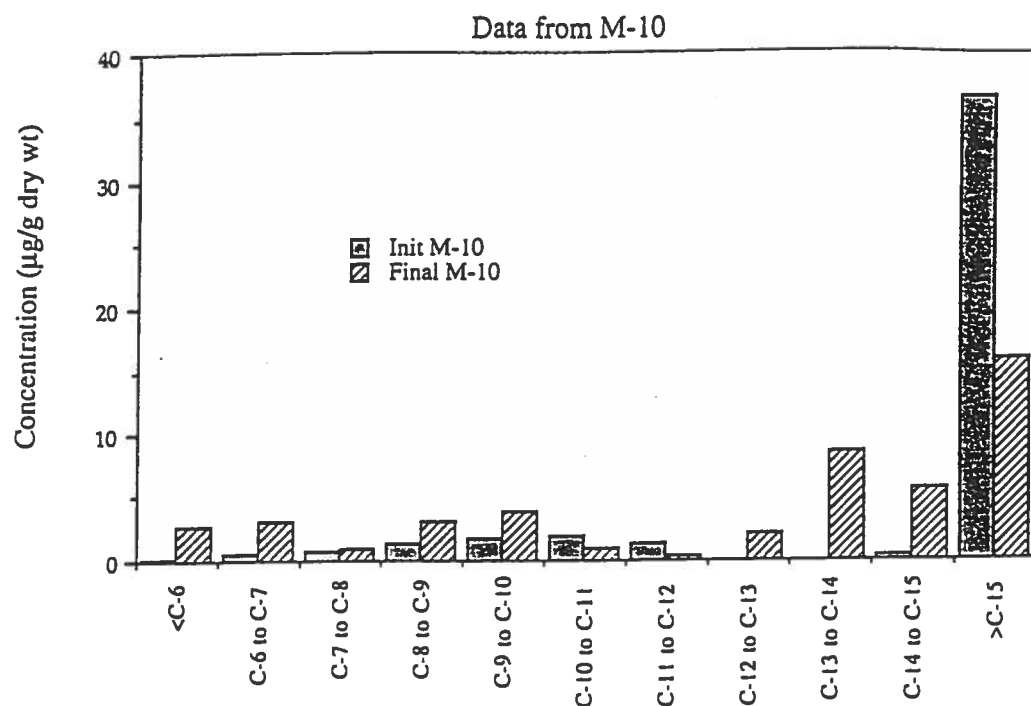
Averaged Concentration by Boiling Point range at FEW AFB Fire Training Site

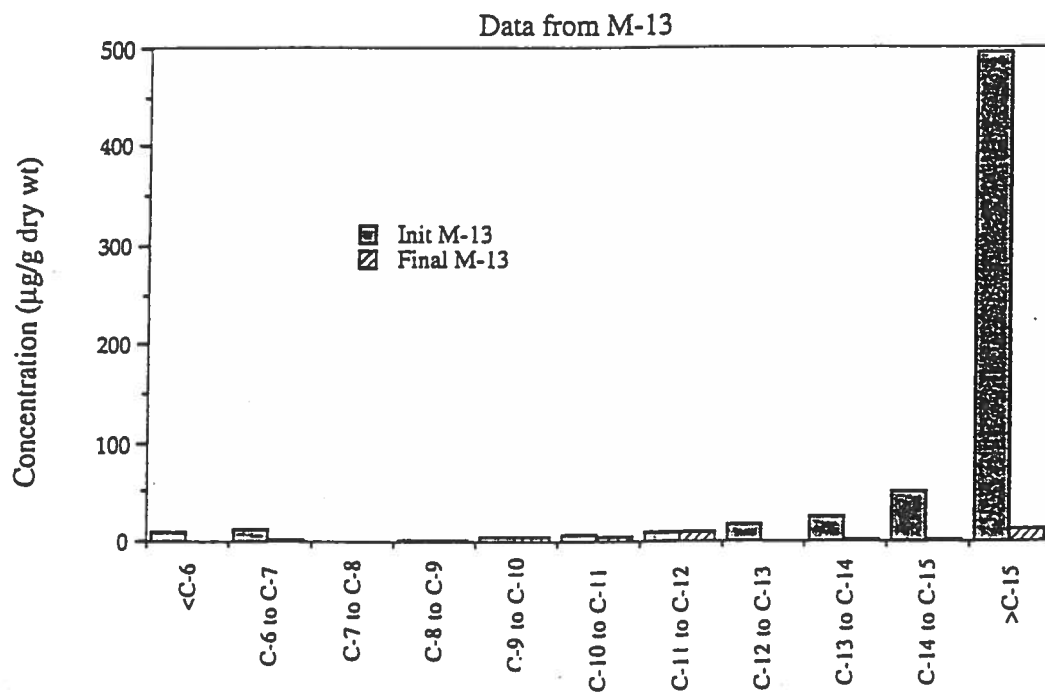
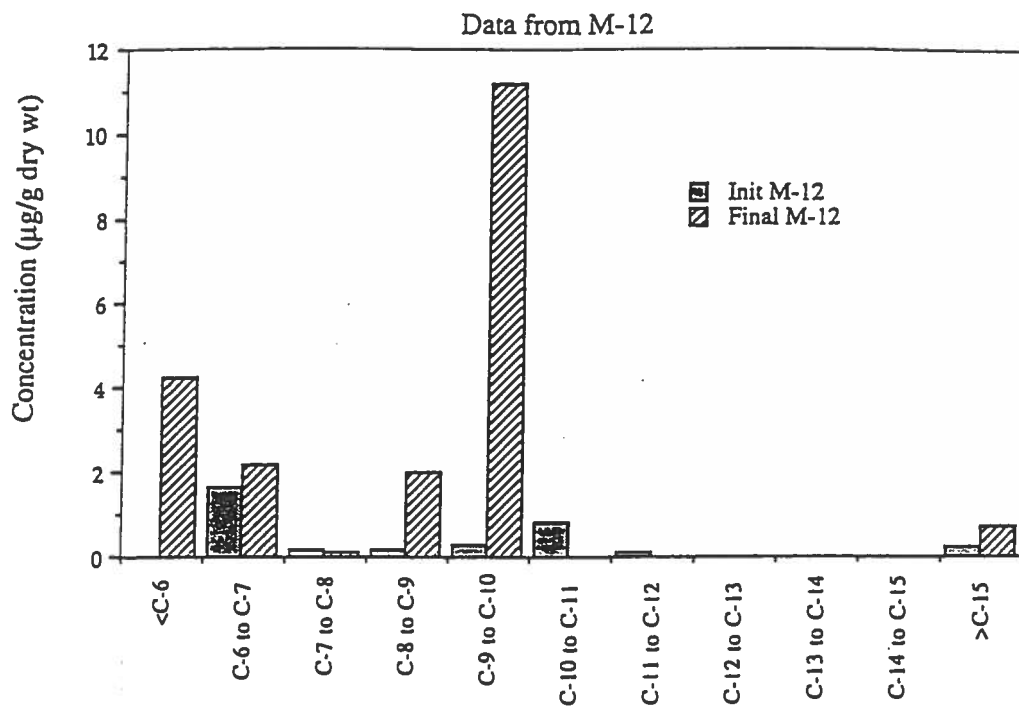


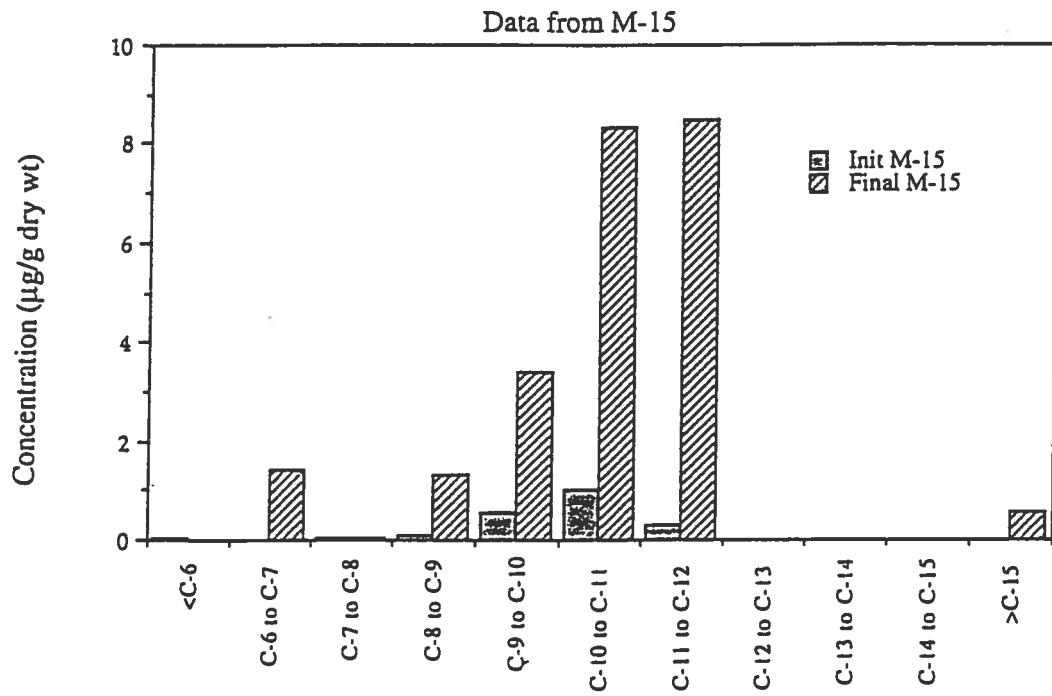
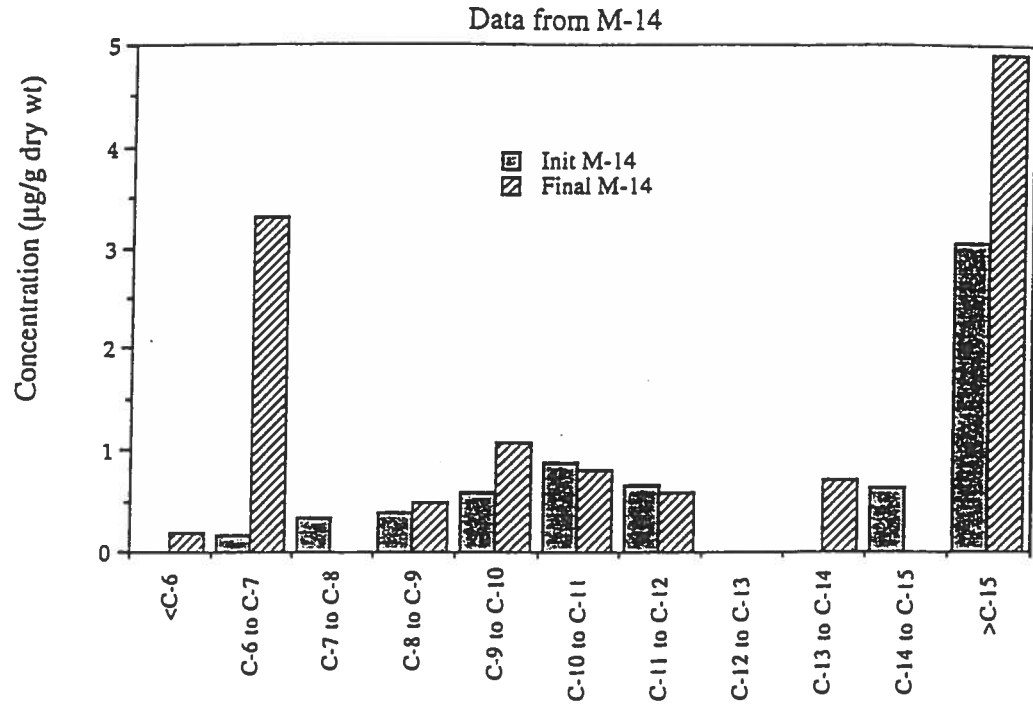




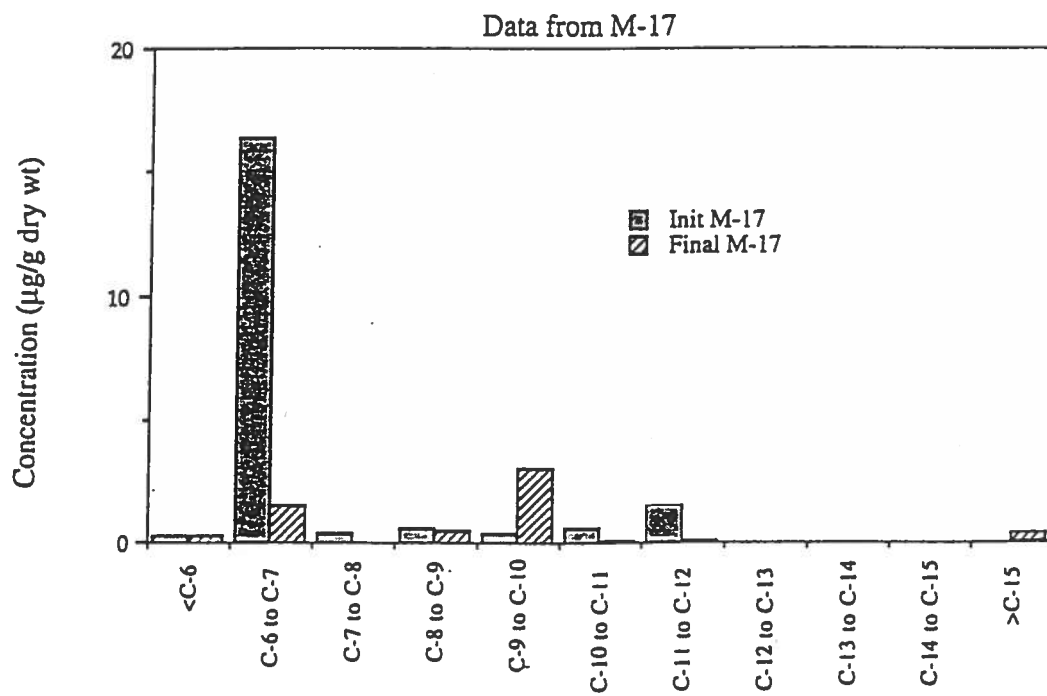
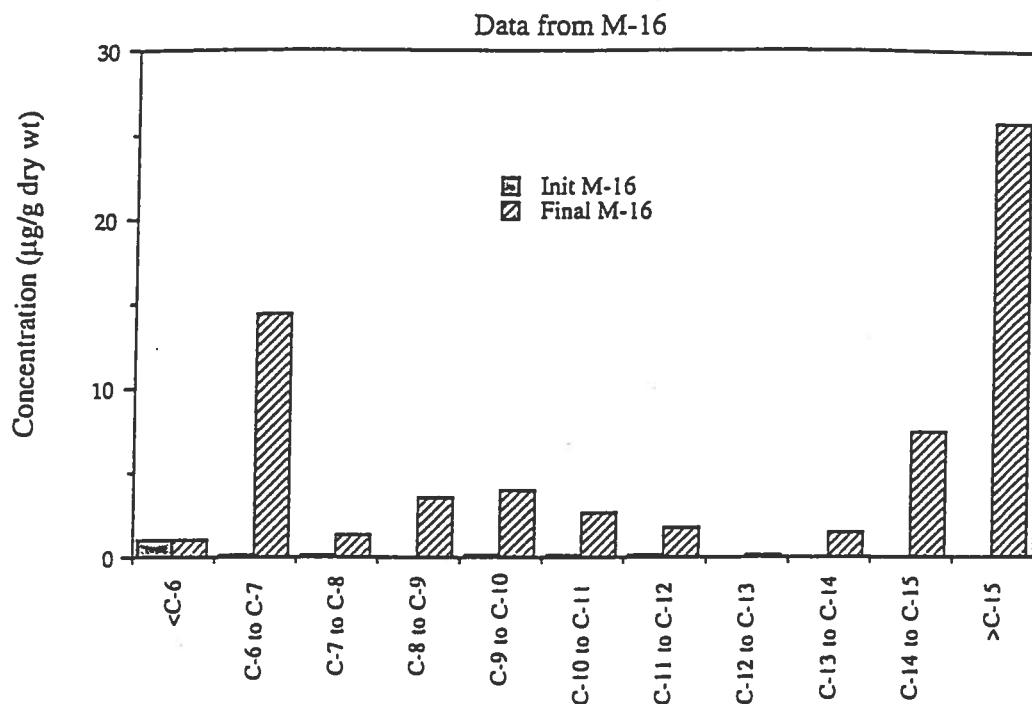


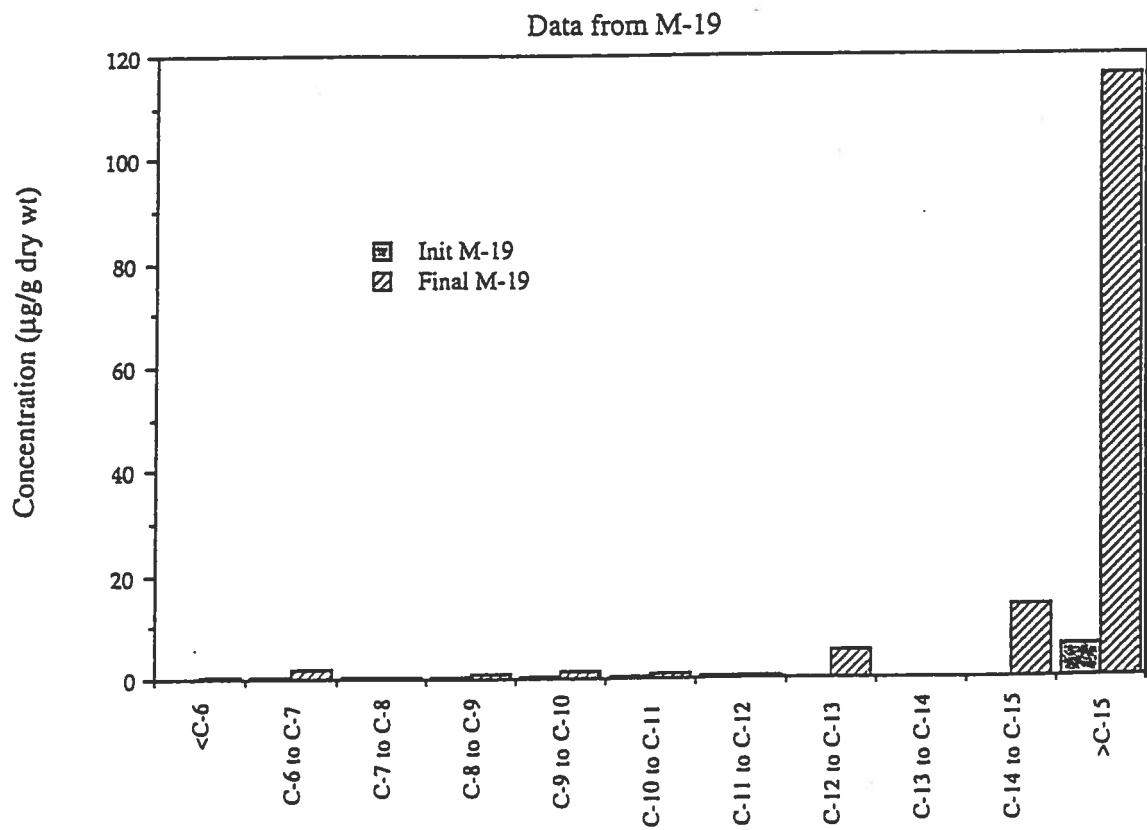
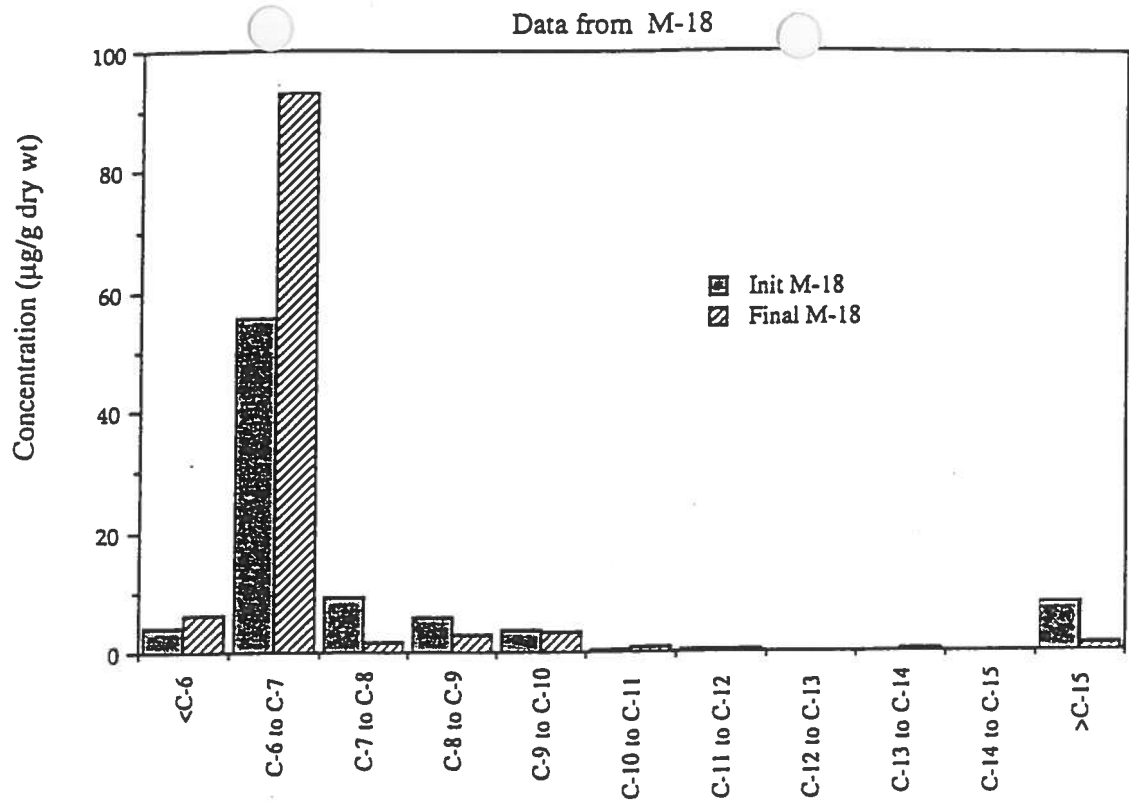




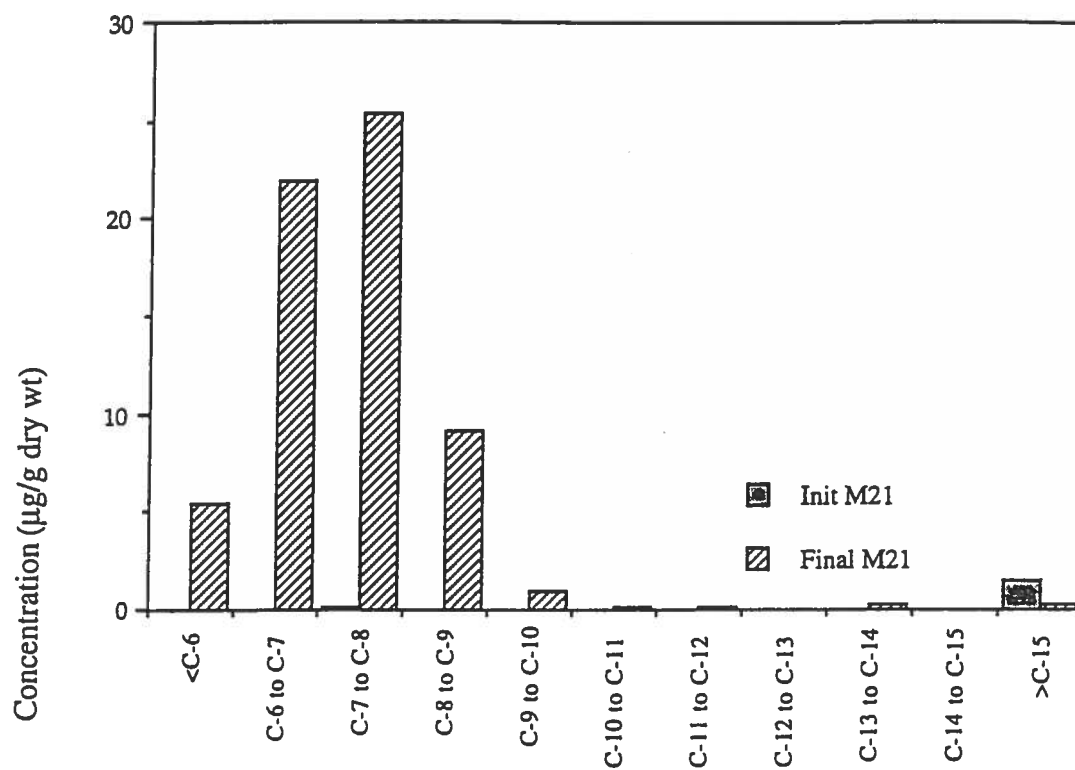




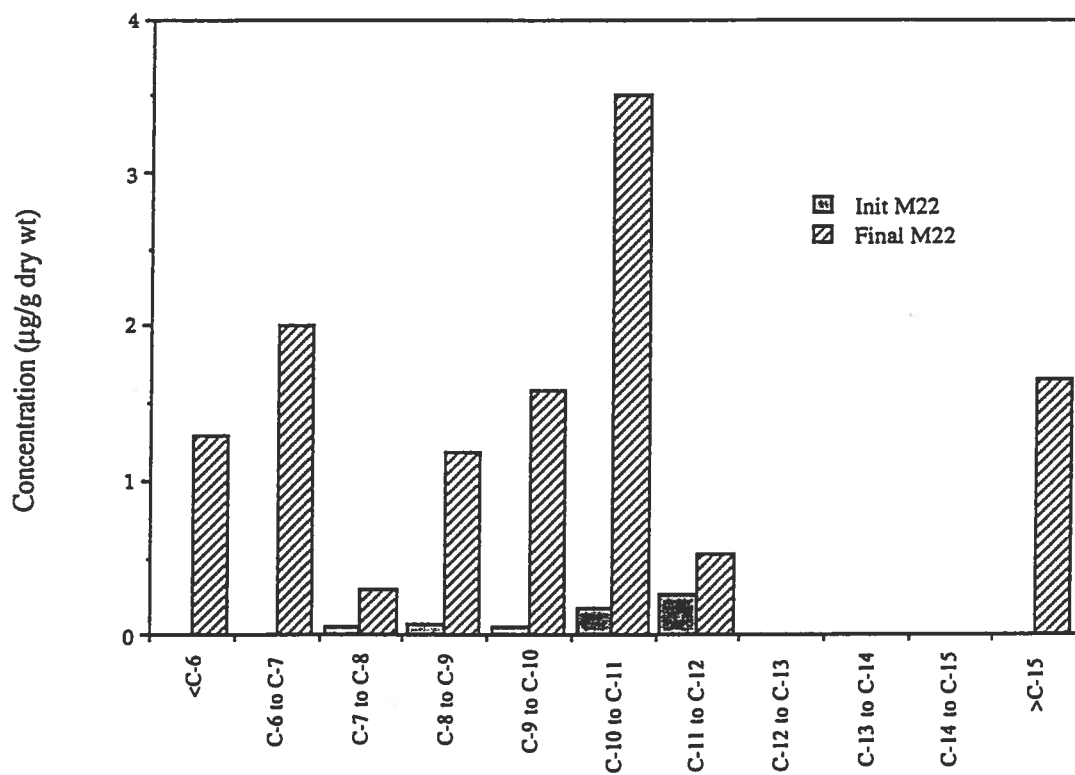


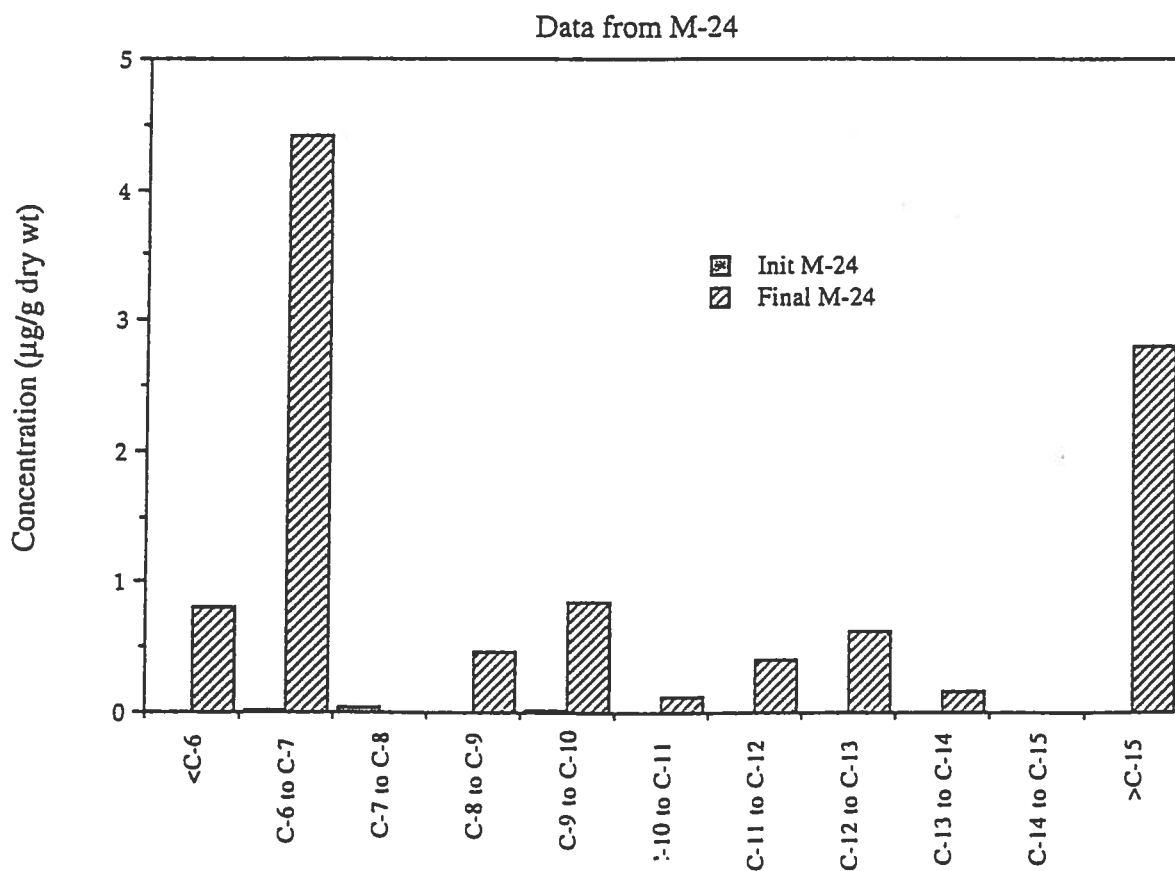
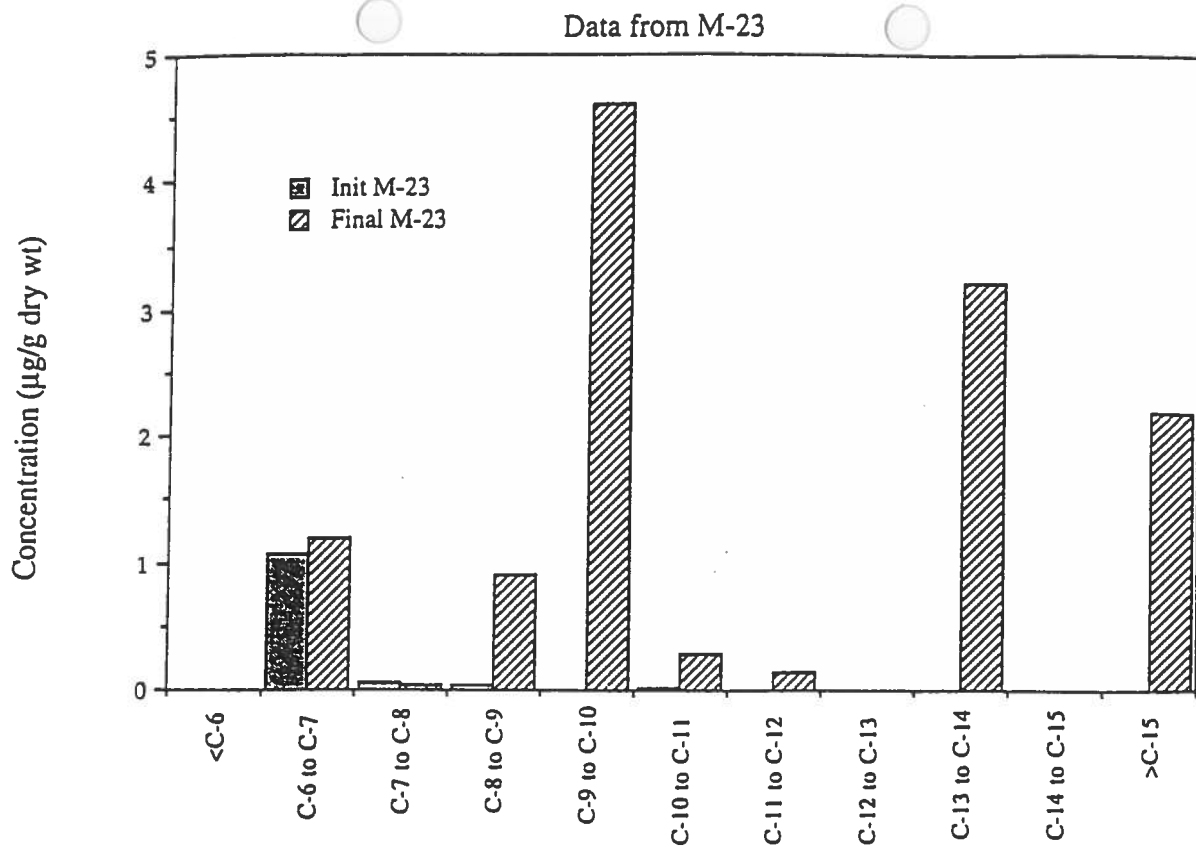


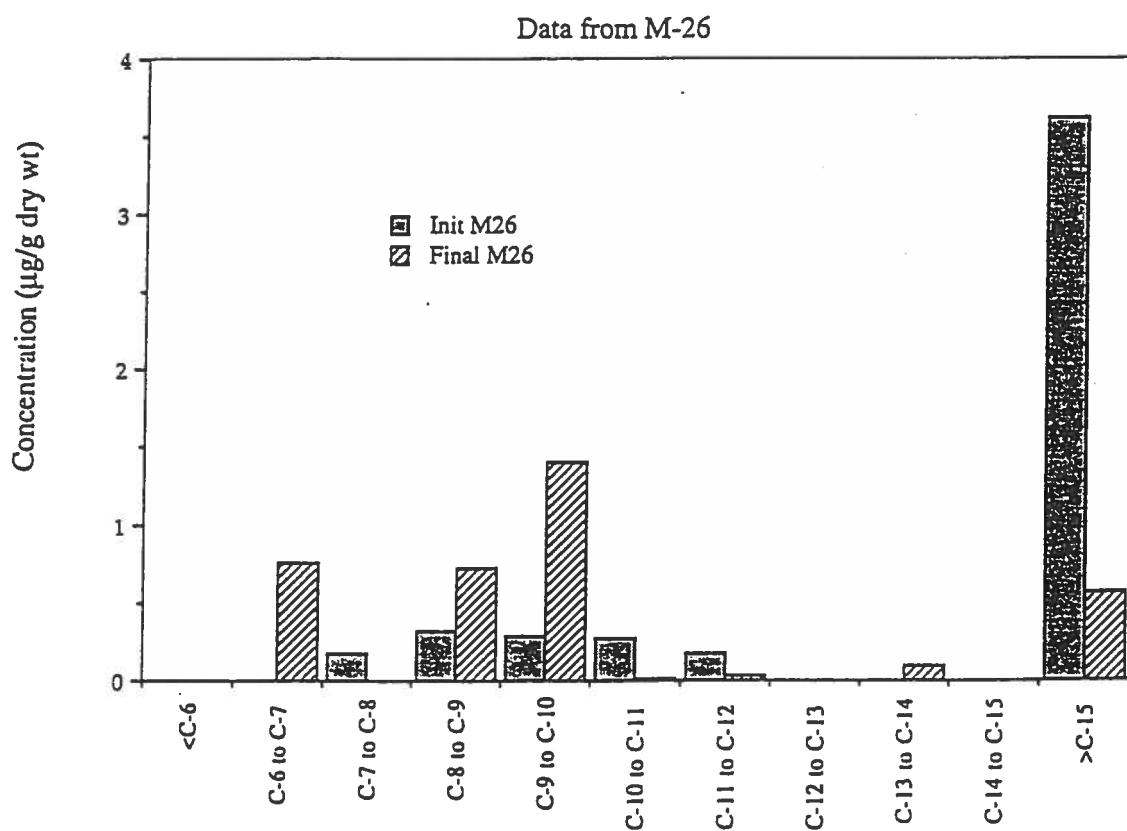
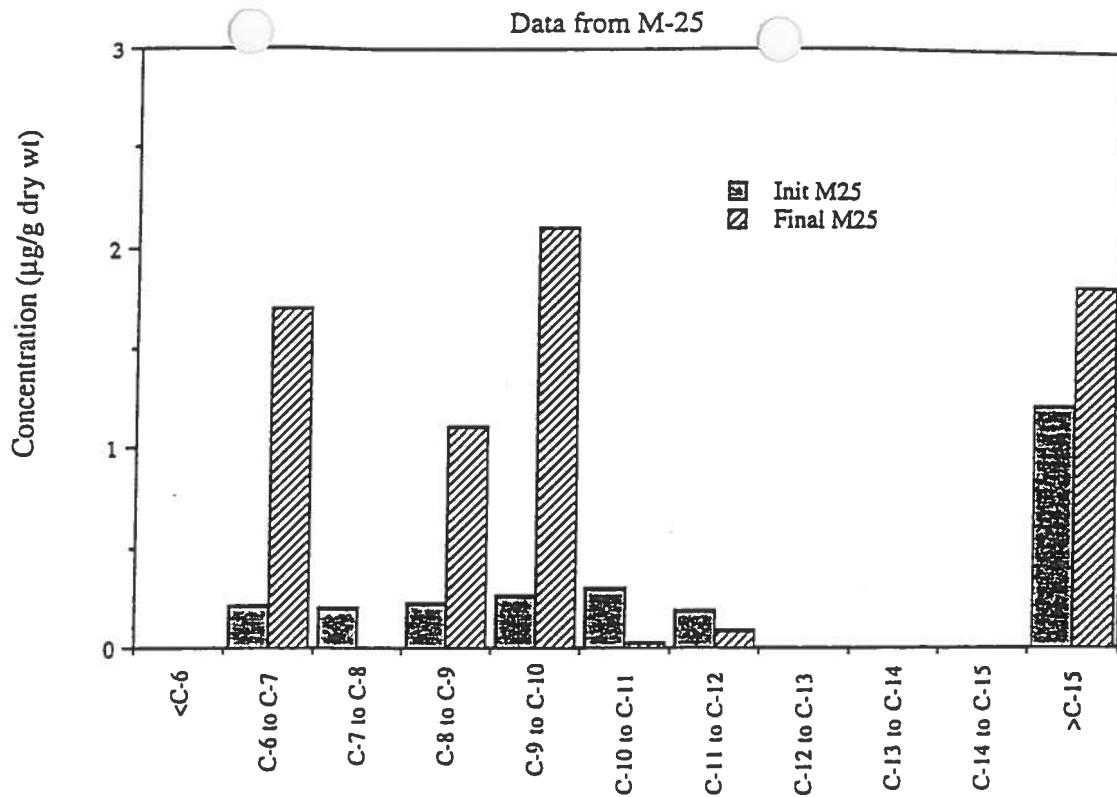
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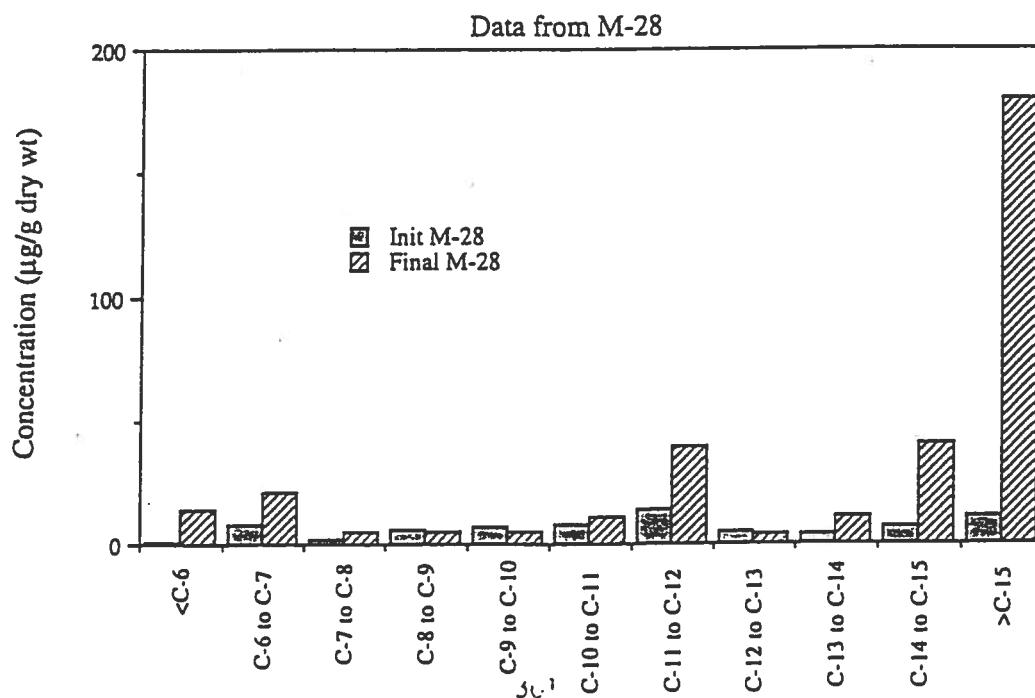
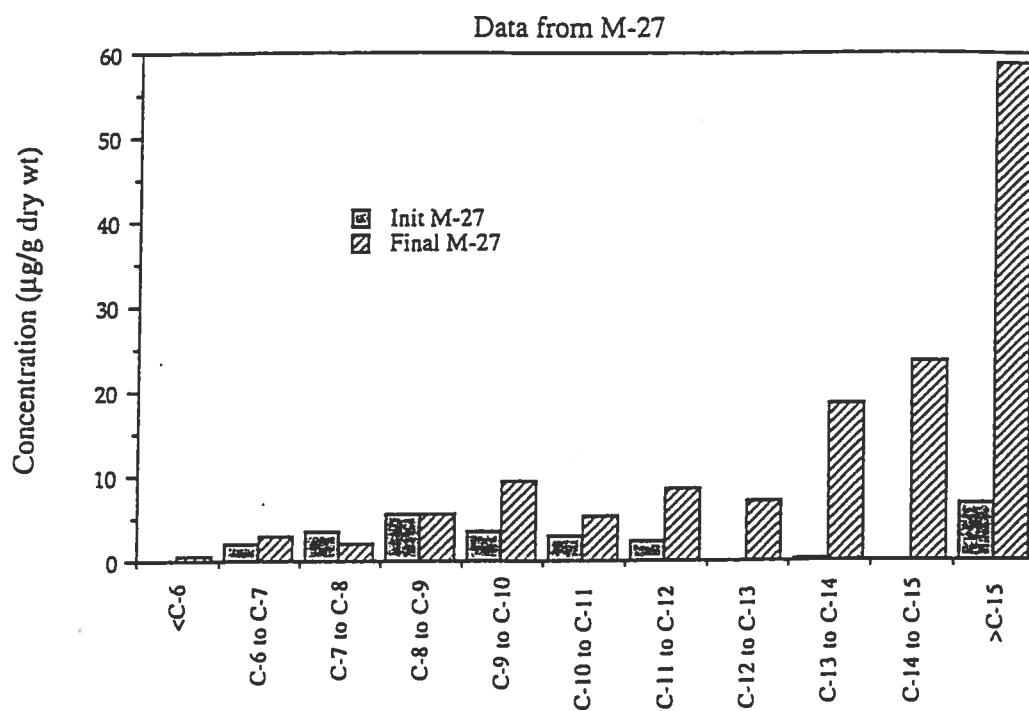


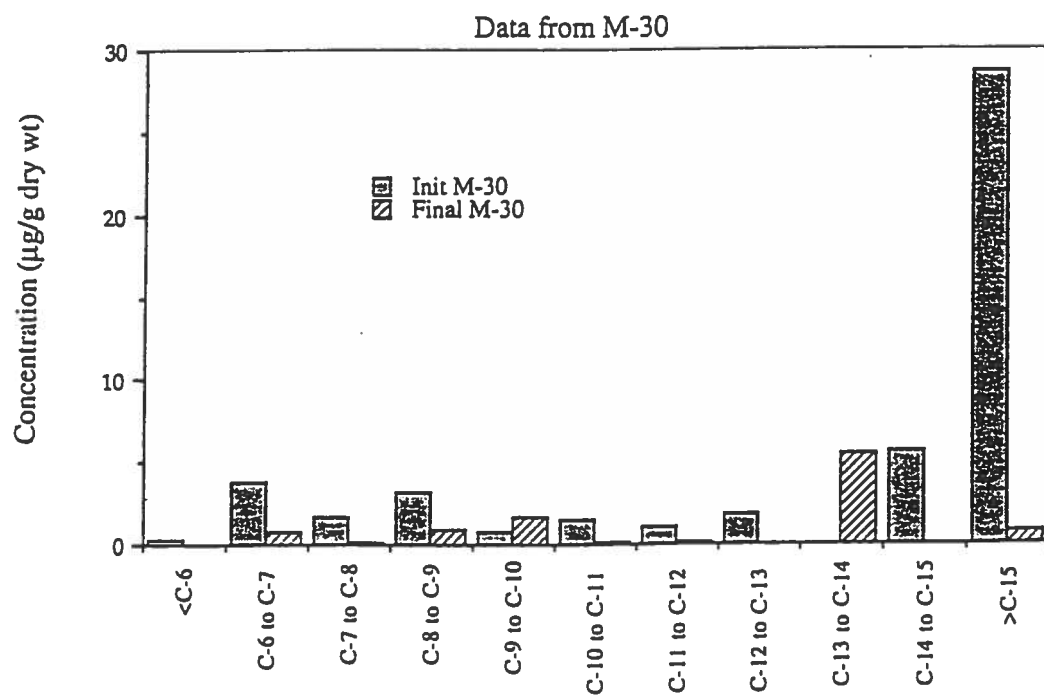
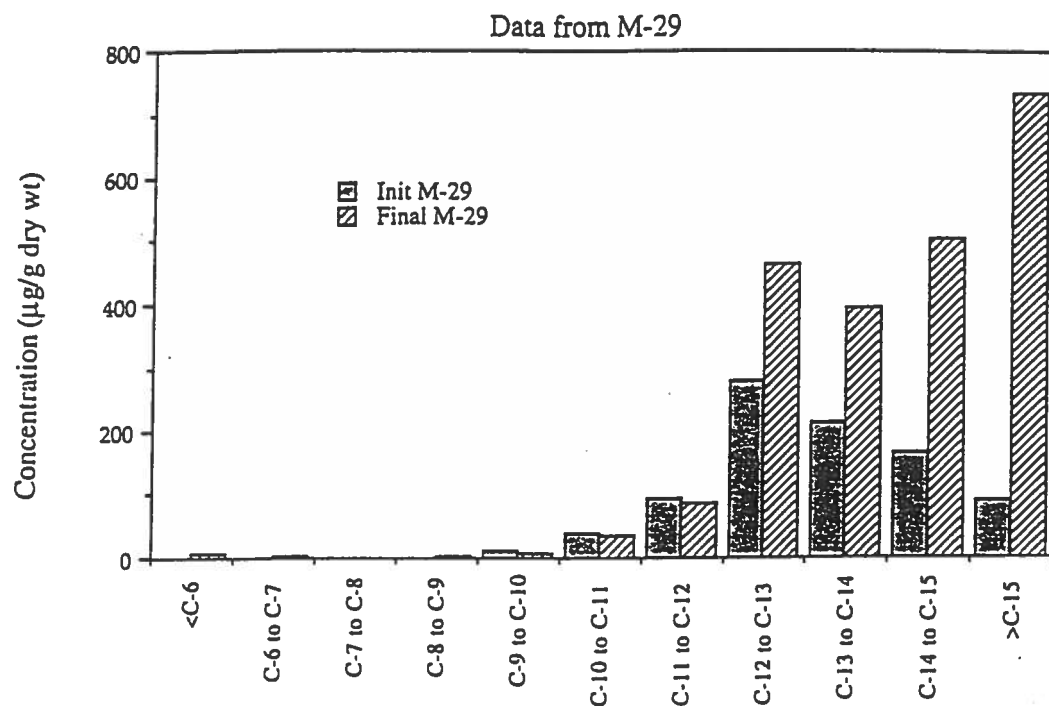
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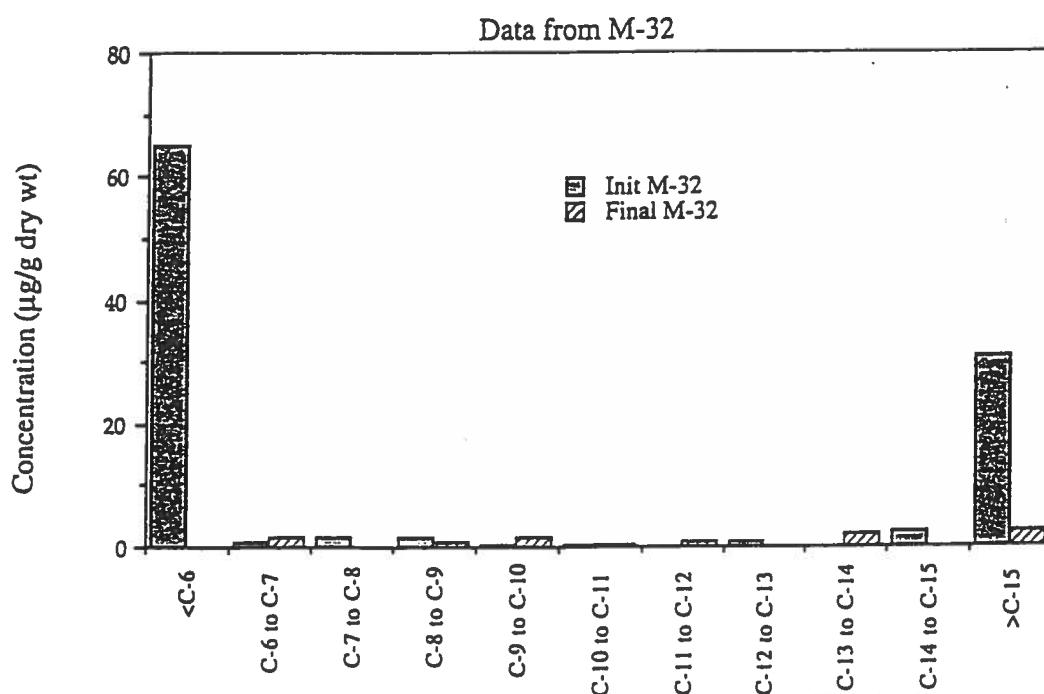
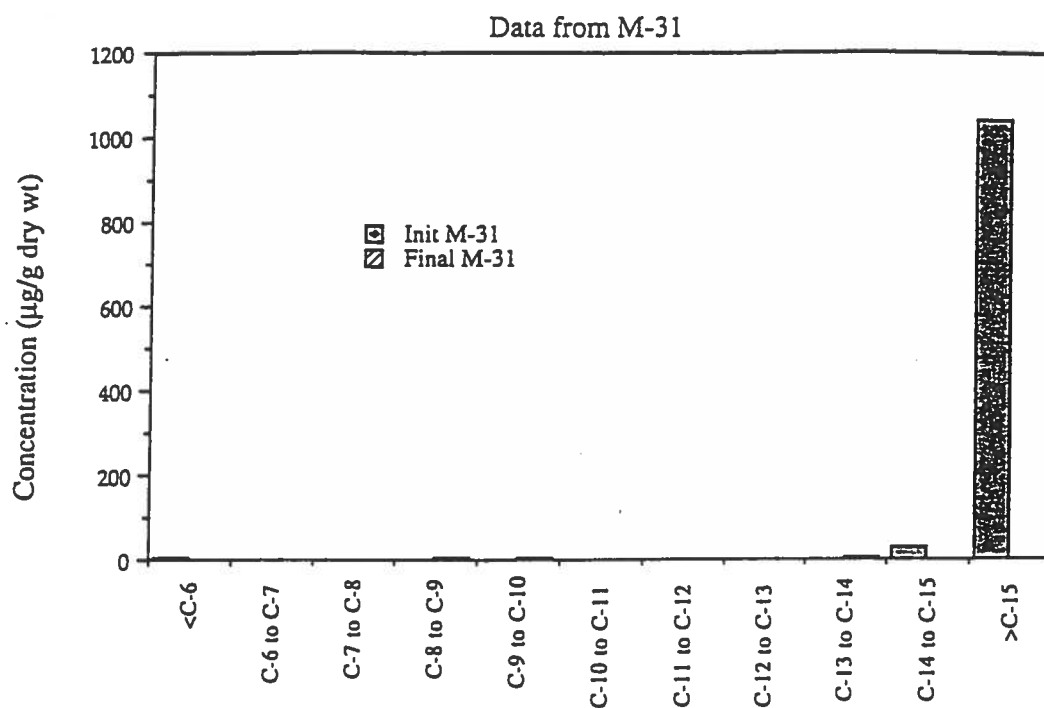




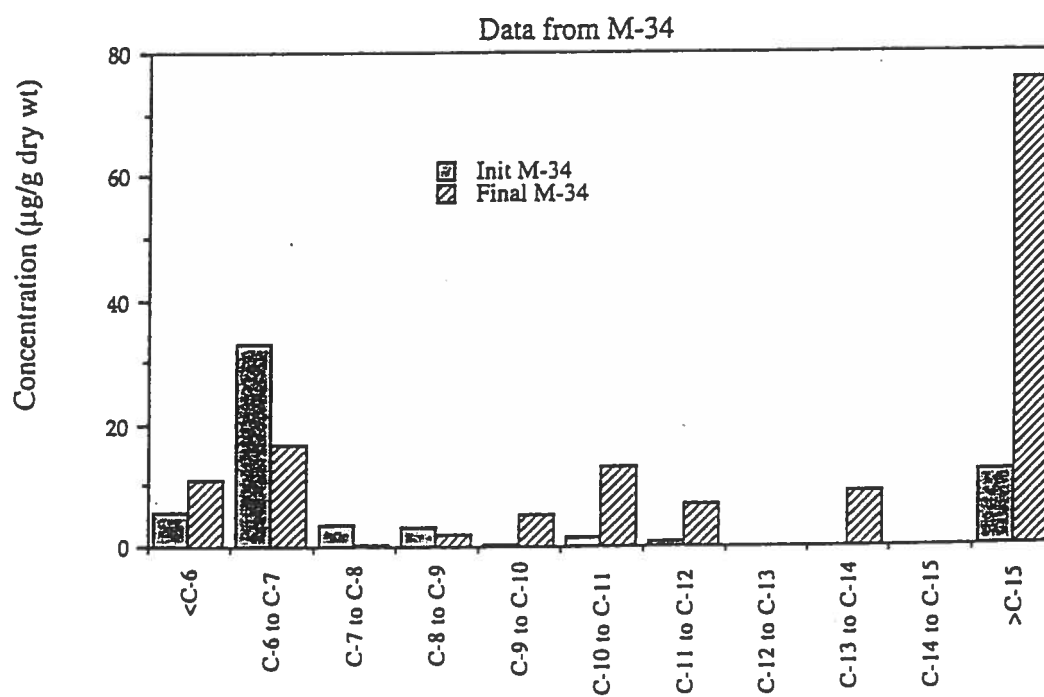
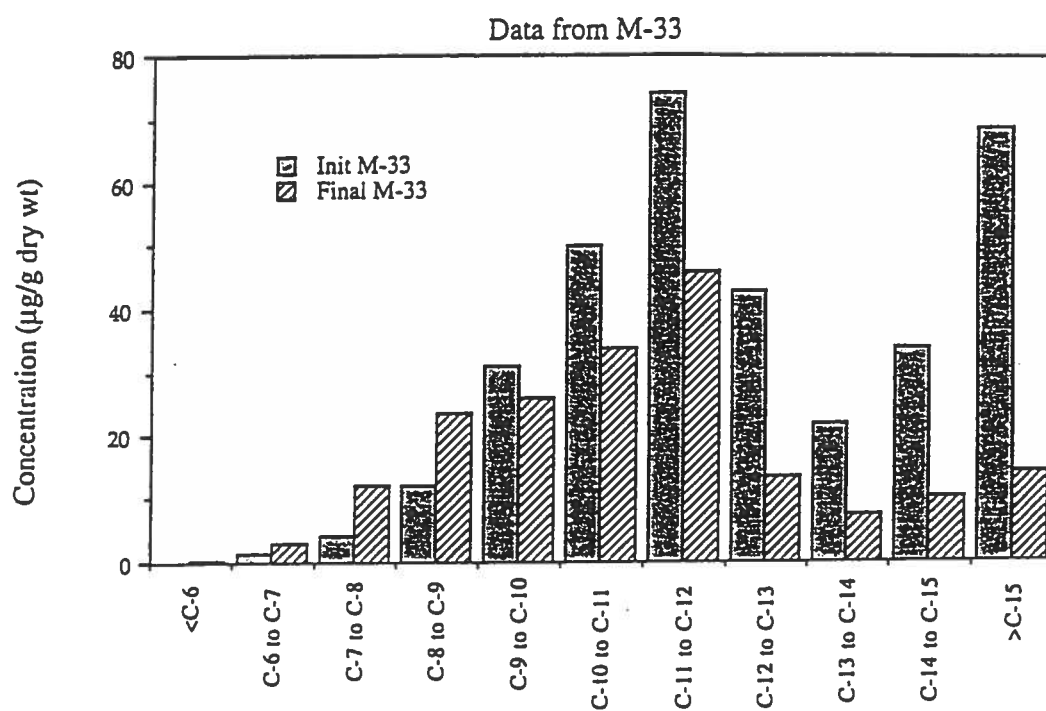


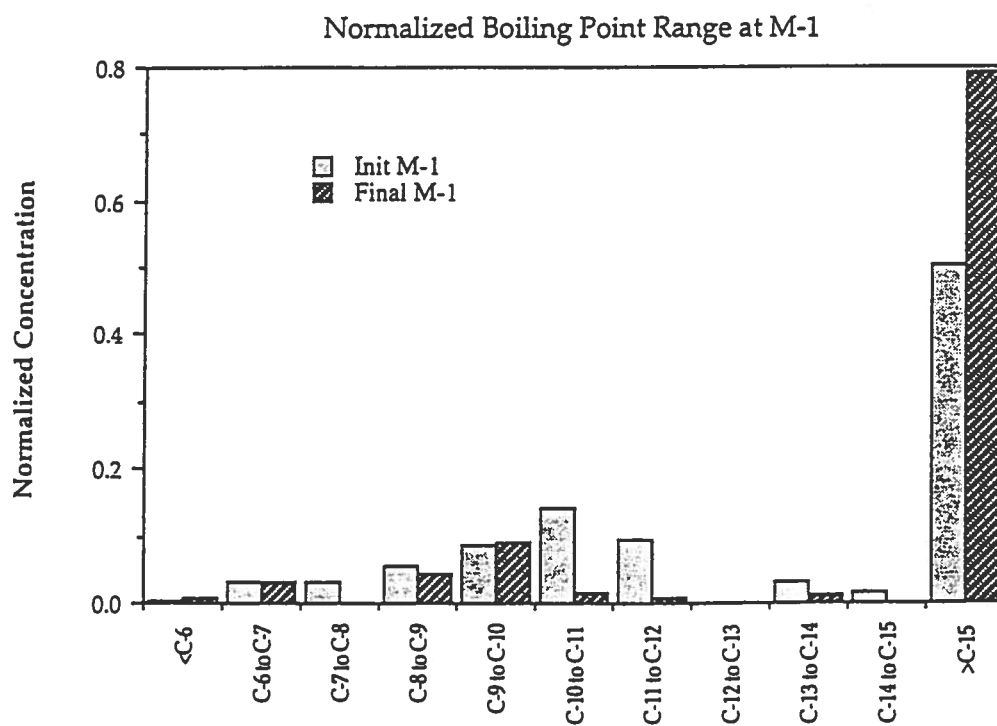
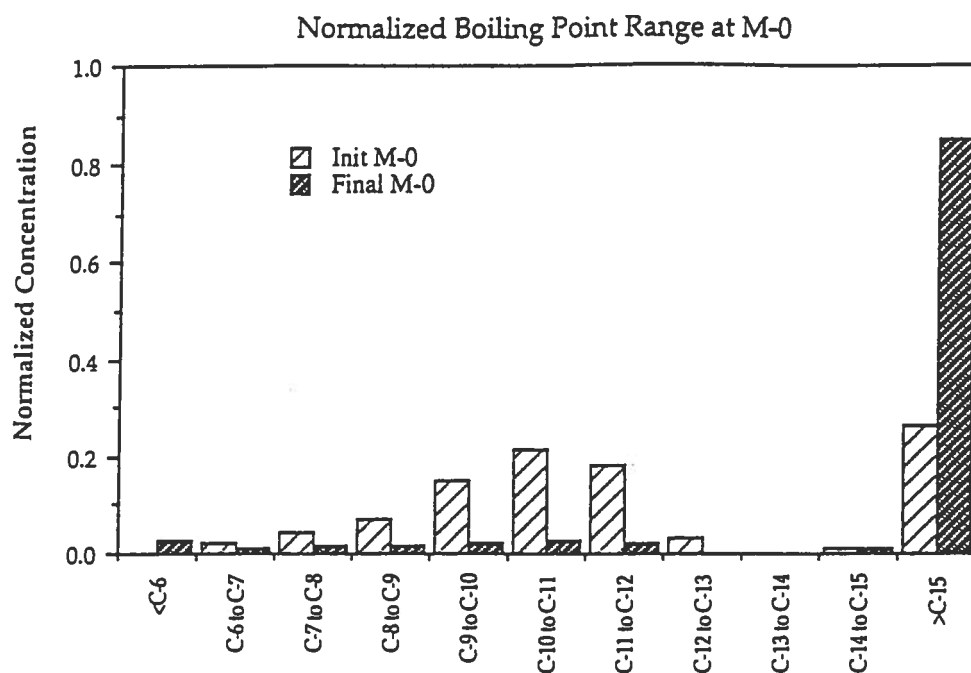


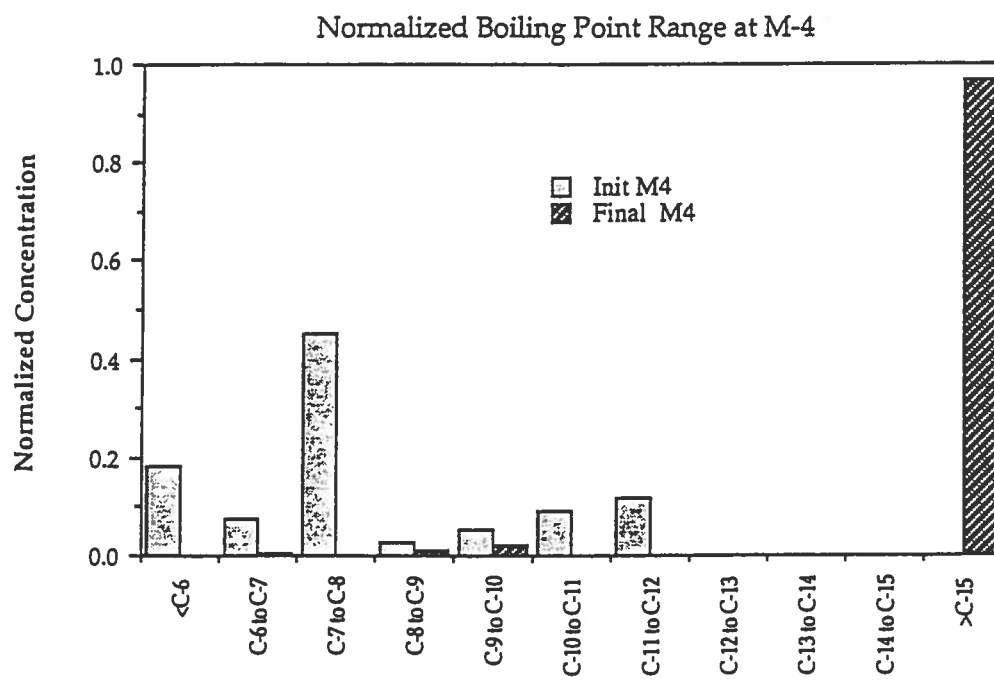
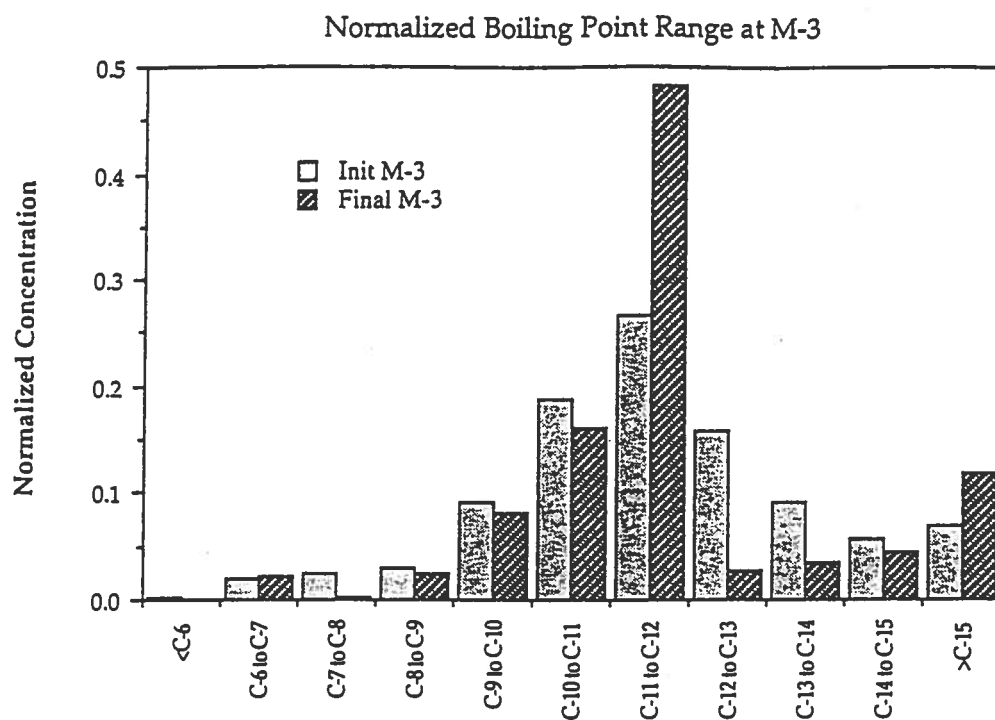




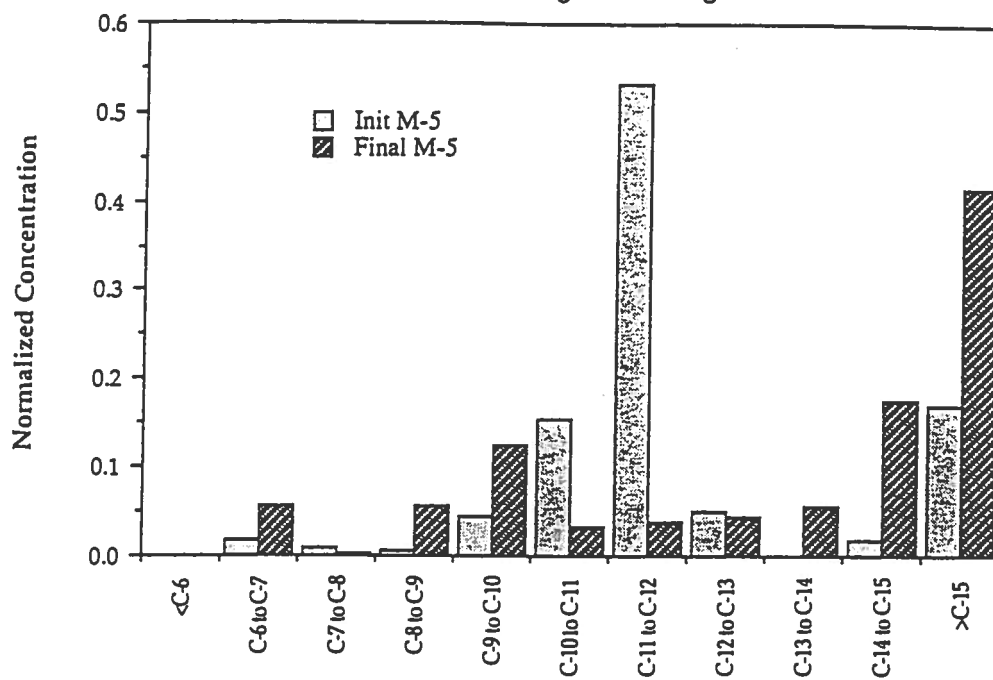




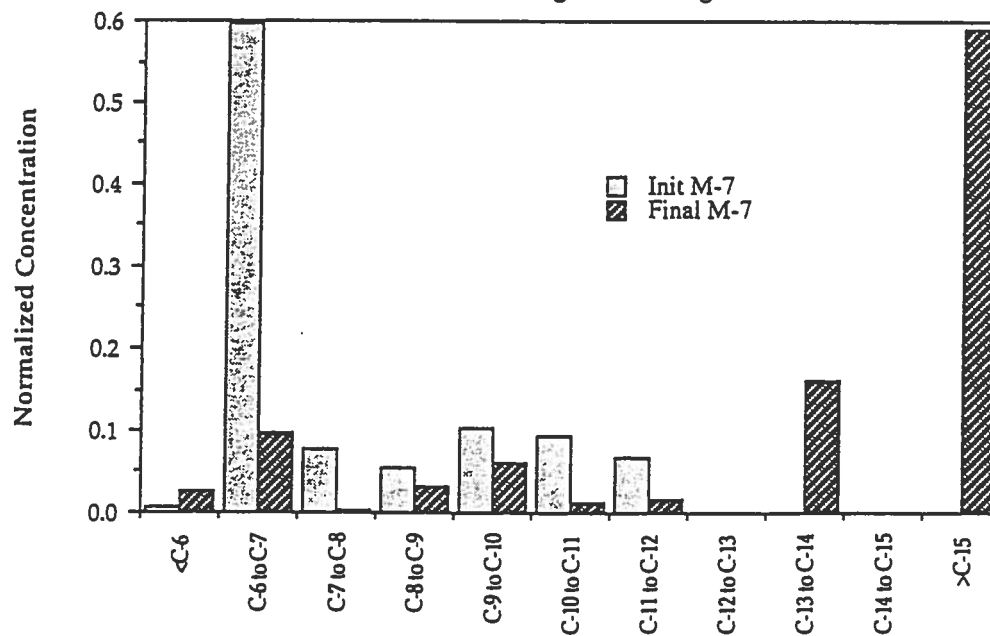




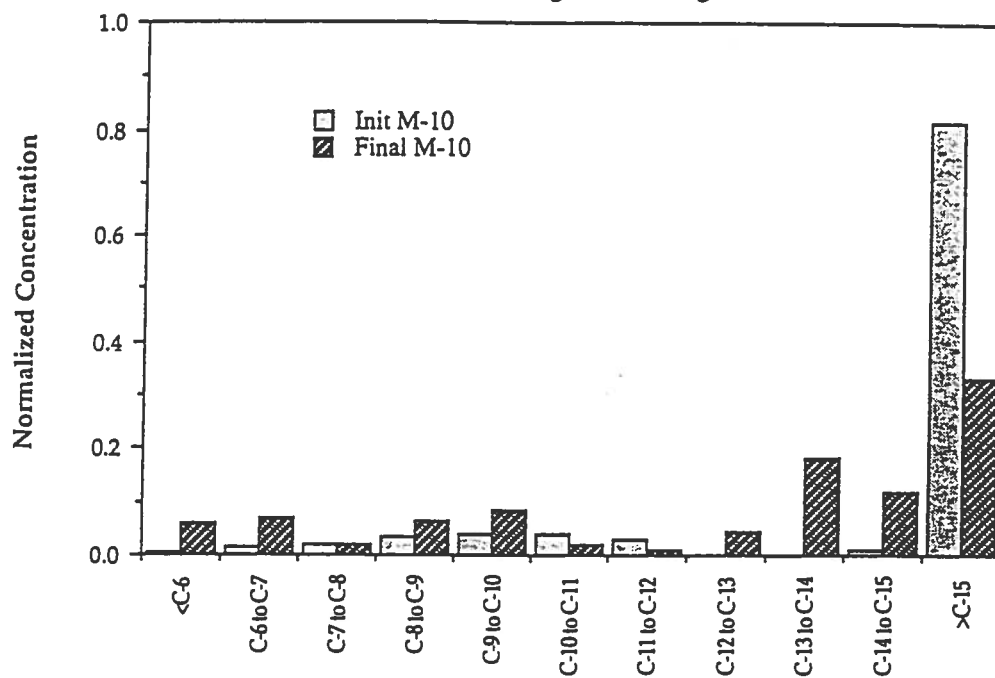
Normalized Boiling Point Range at M-5



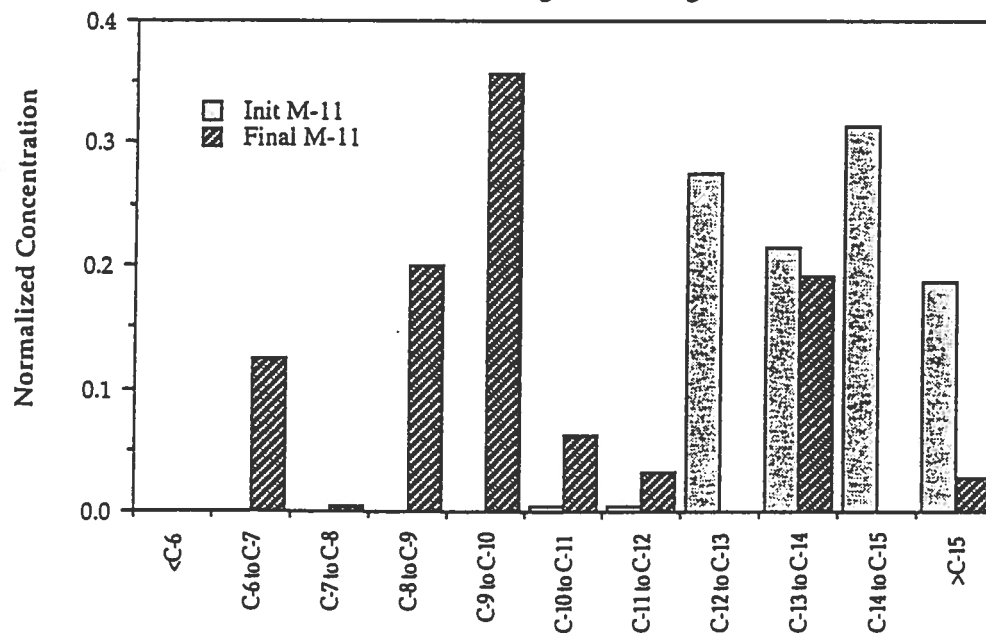
Normalized Boiling Point Range at M-7

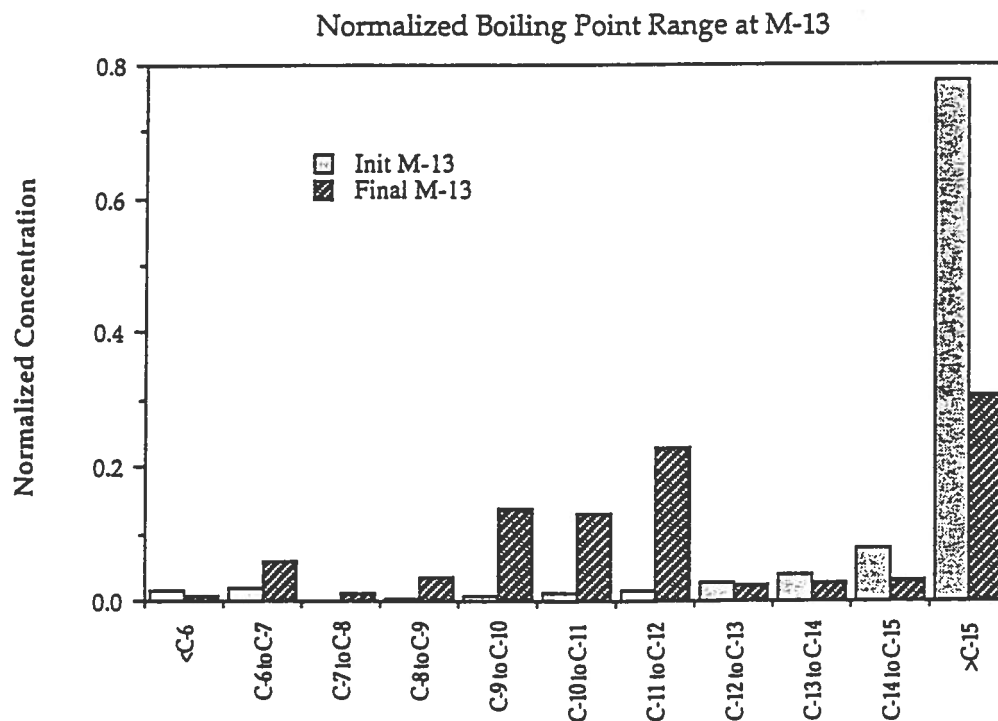
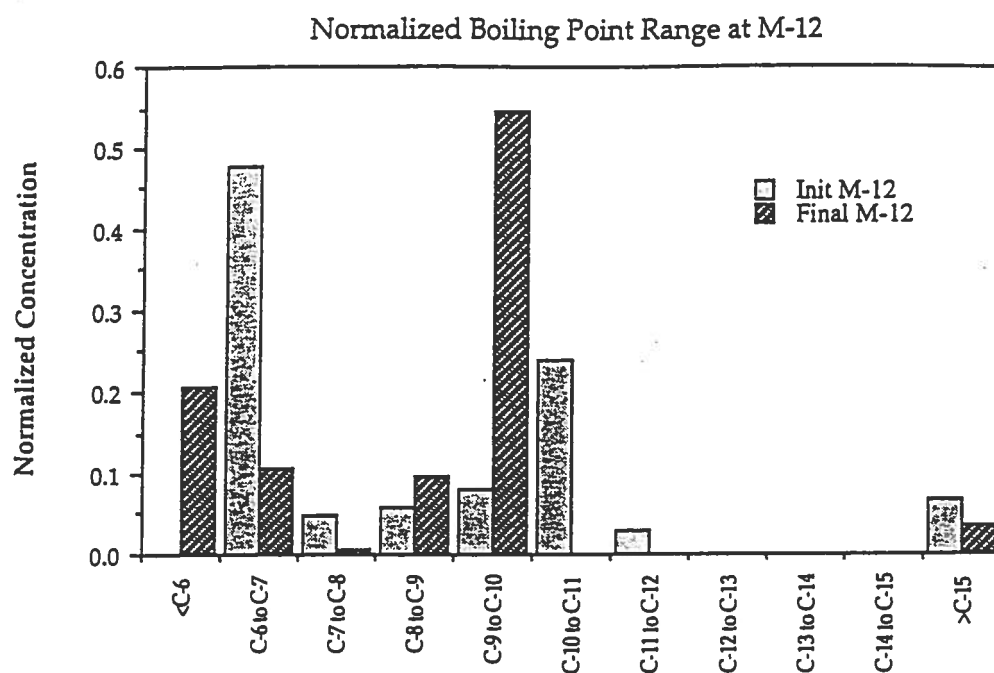


Normalized Boiling Point Range at M-10

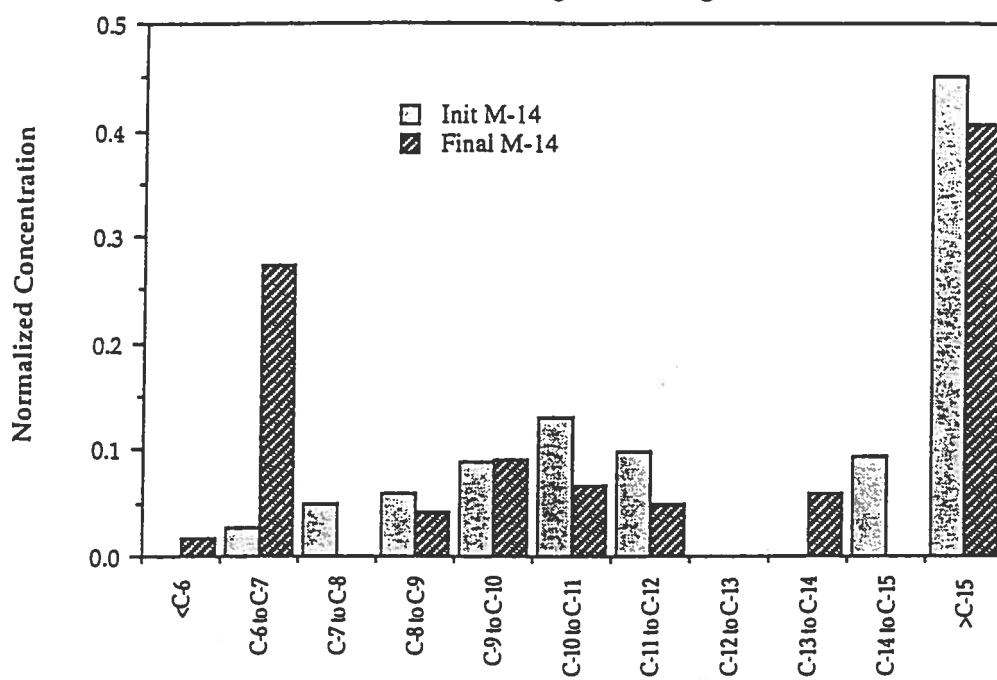


Normalized Boiling Point Range at M-11

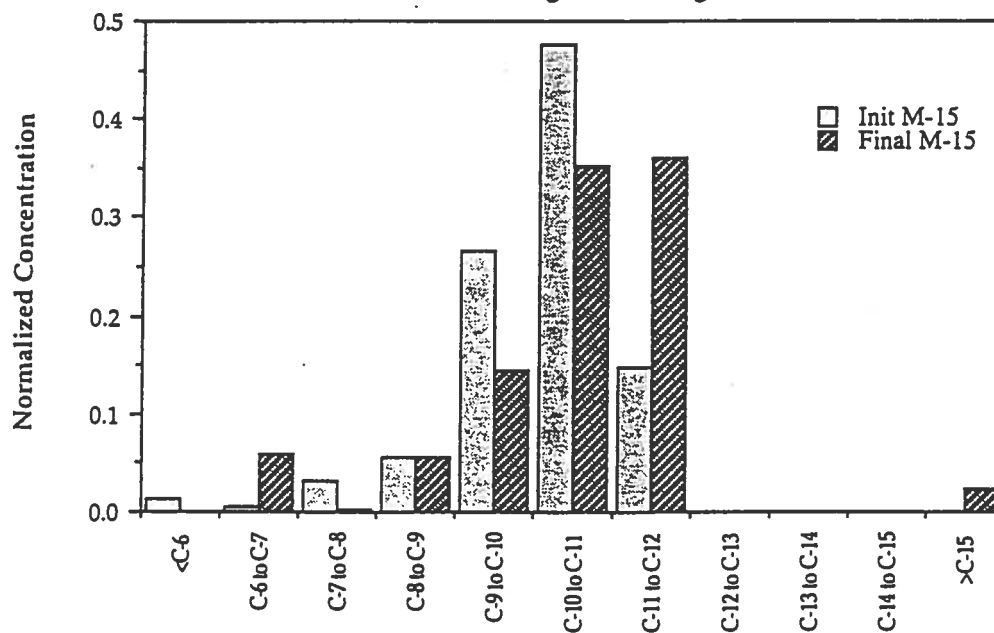


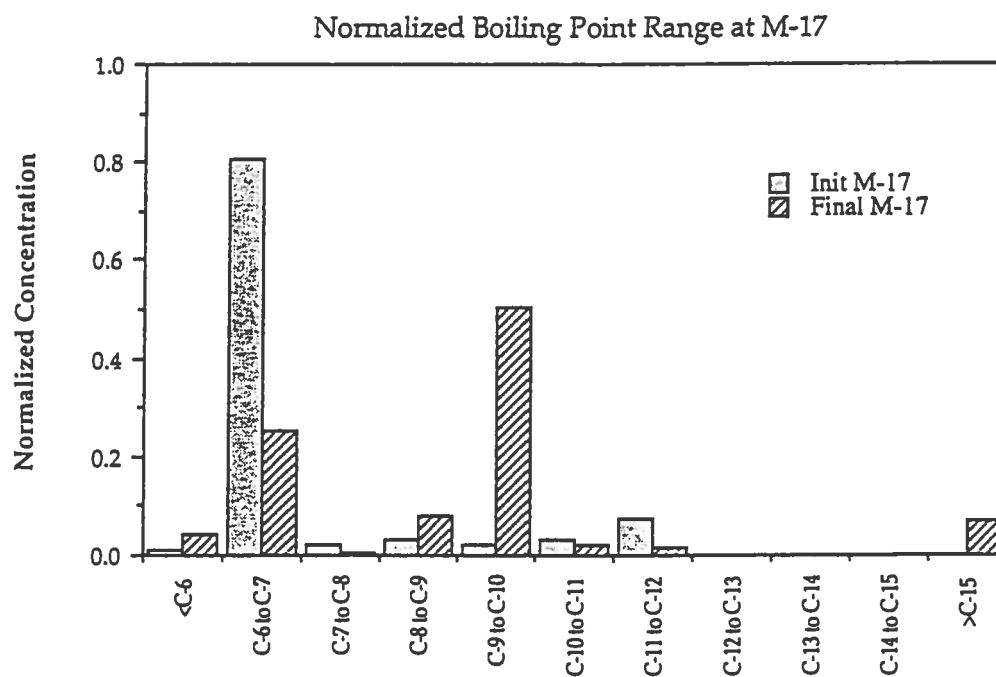
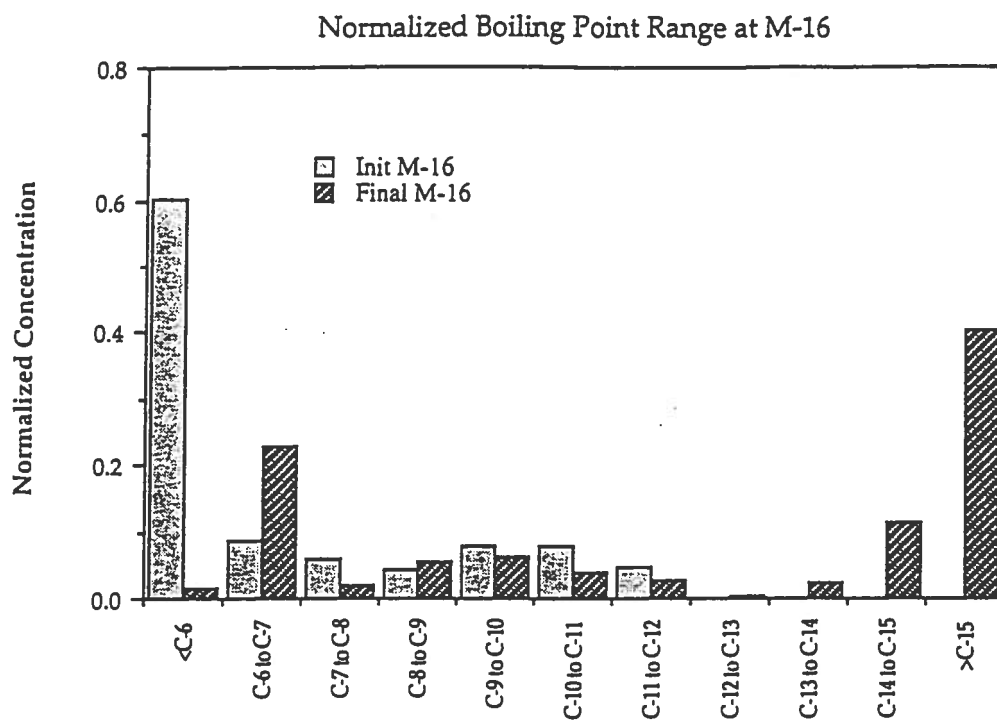


Normalized Boiling Point Range at M-14

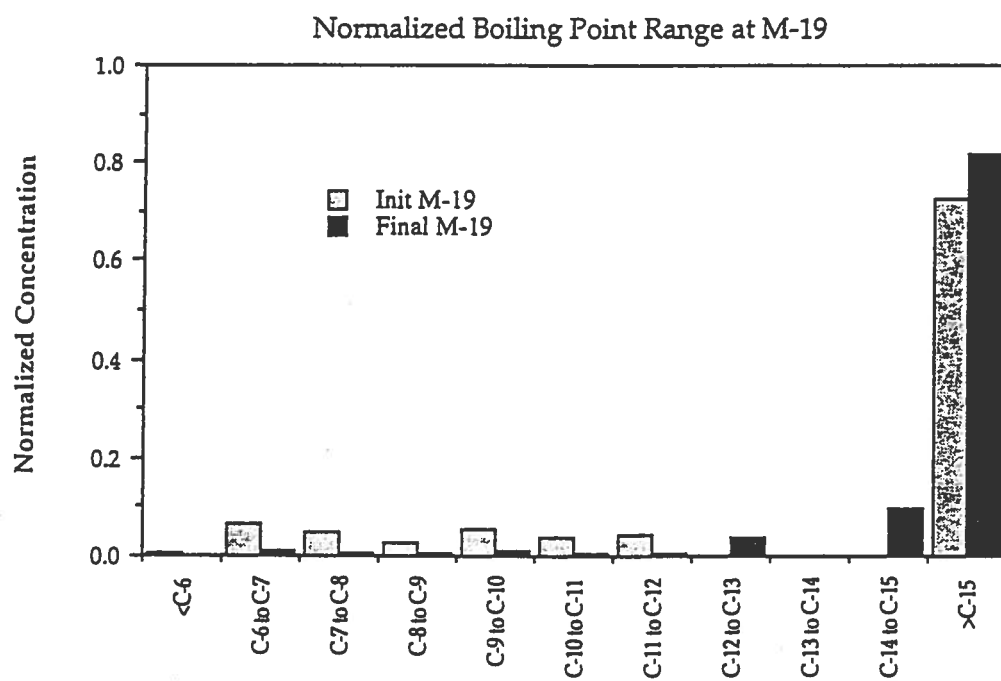
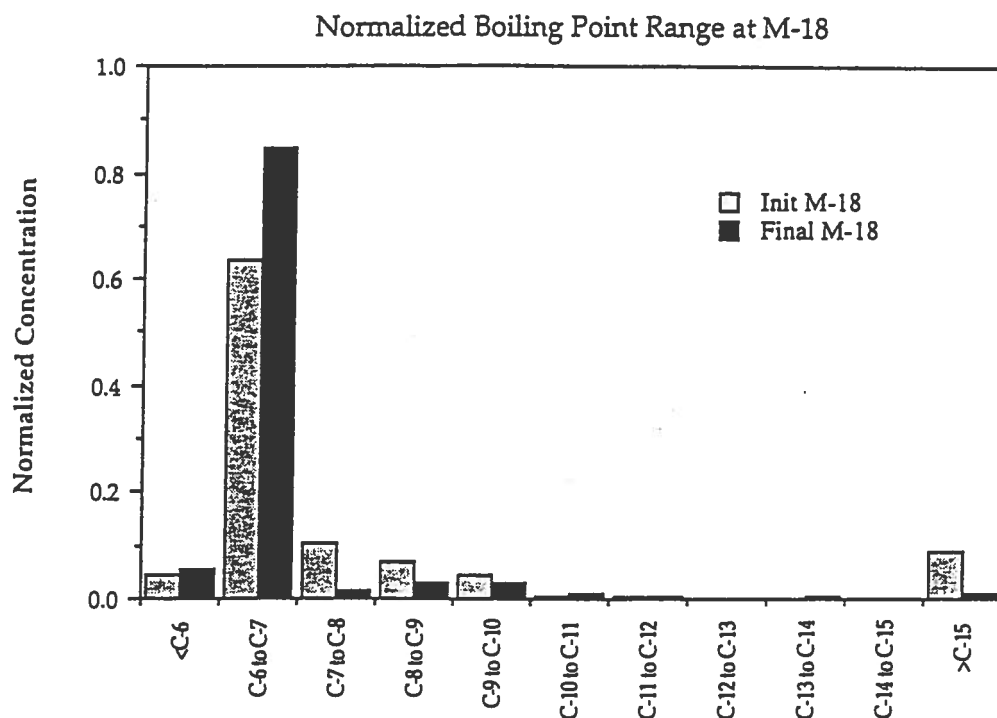


Normalized Boiling Point Range at M-15

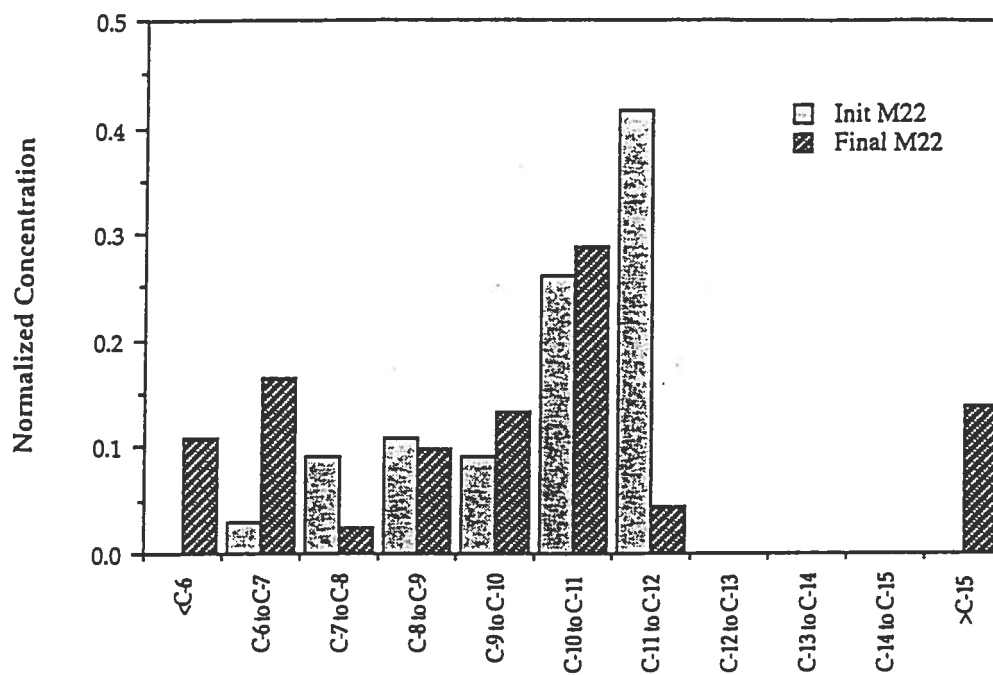




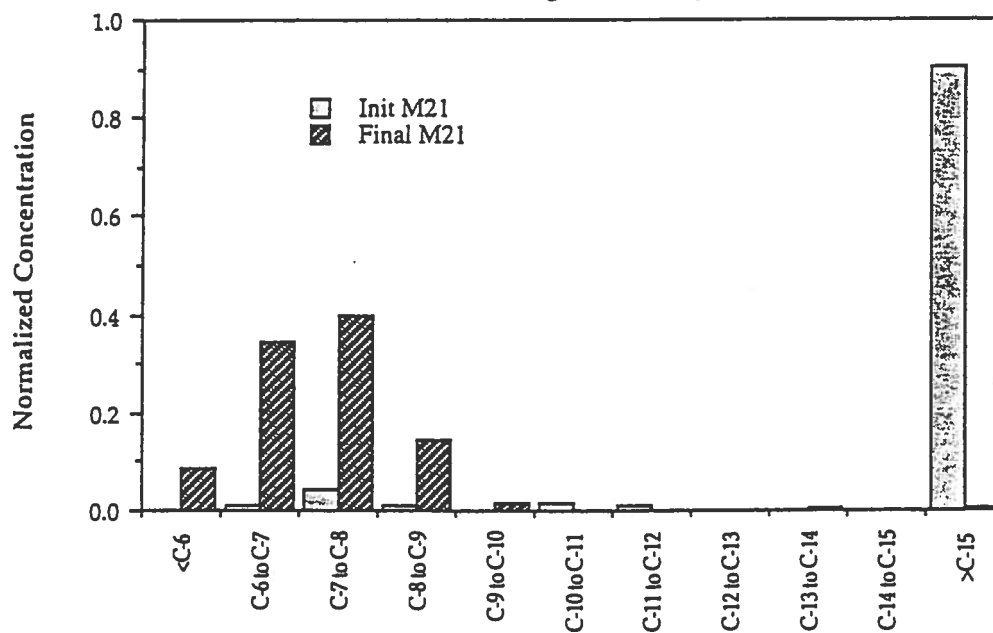


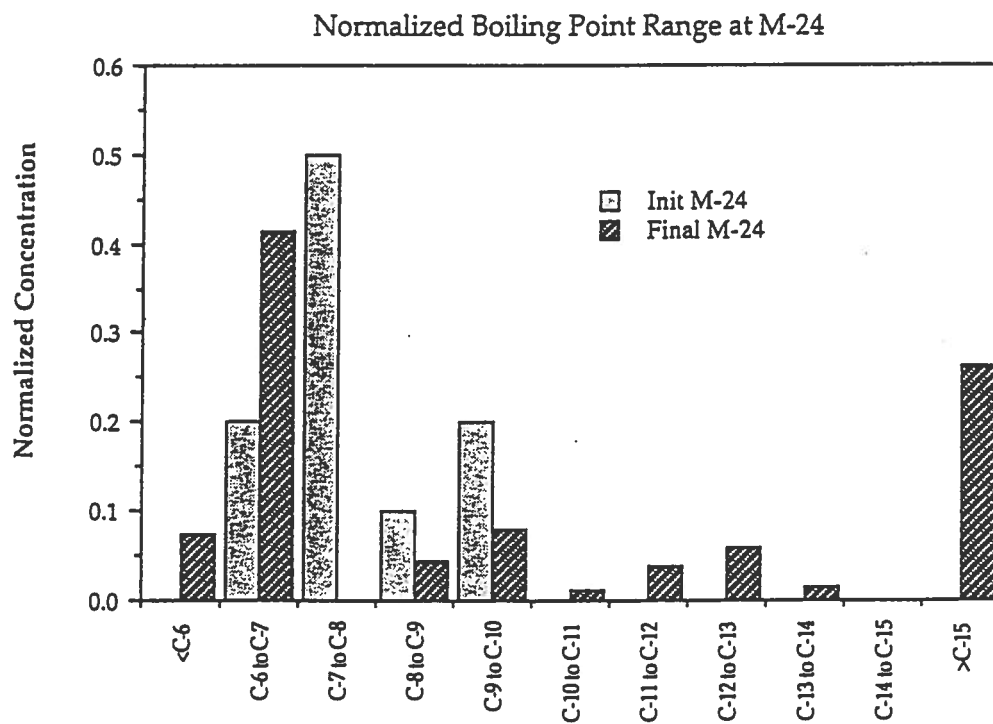
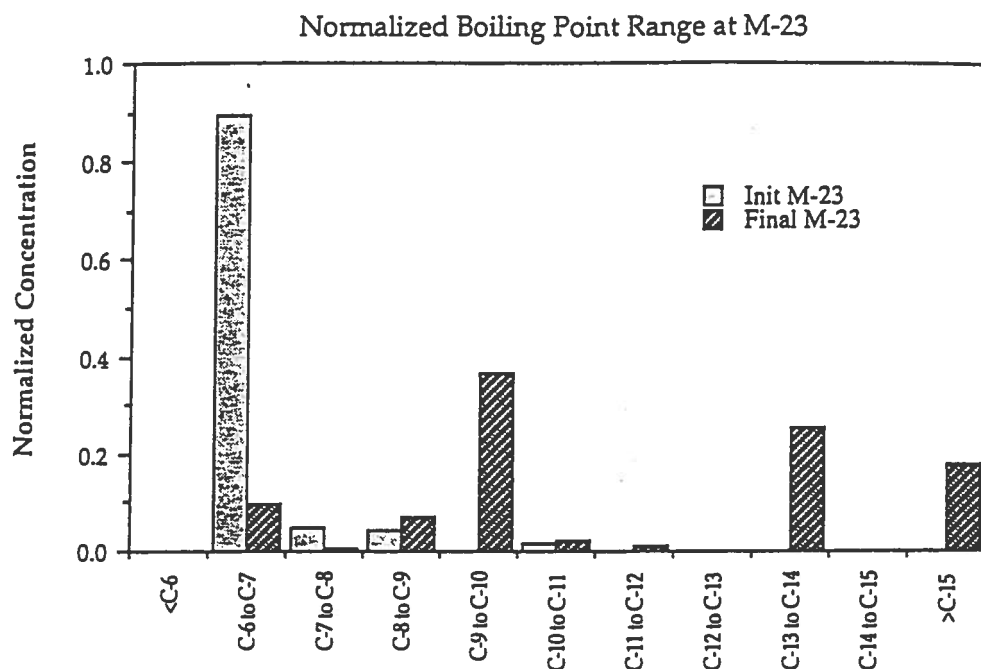


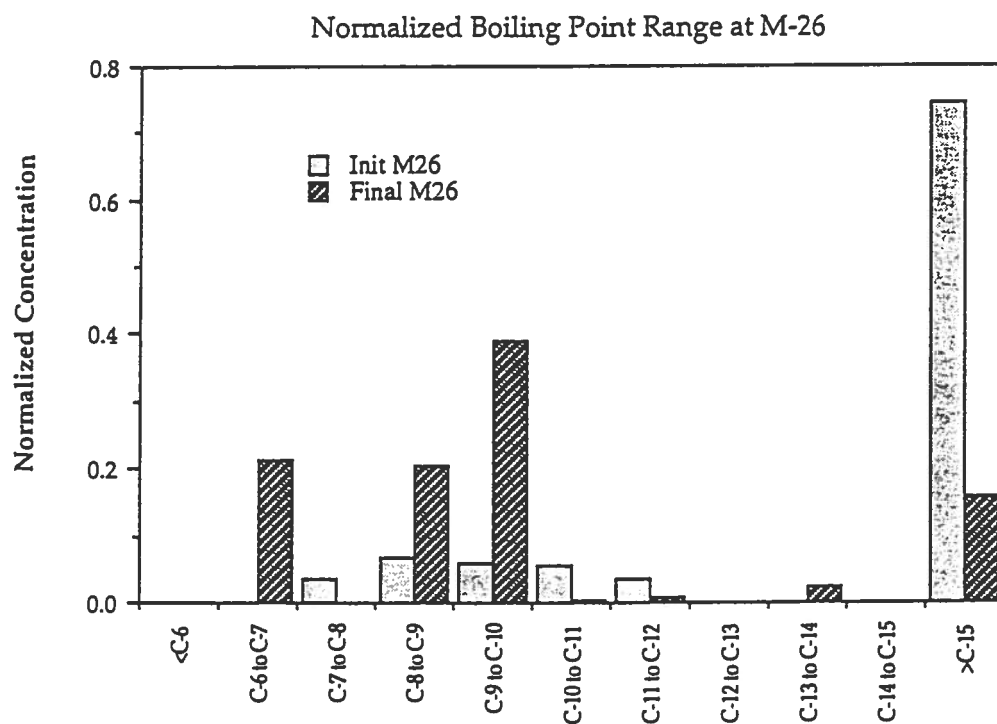
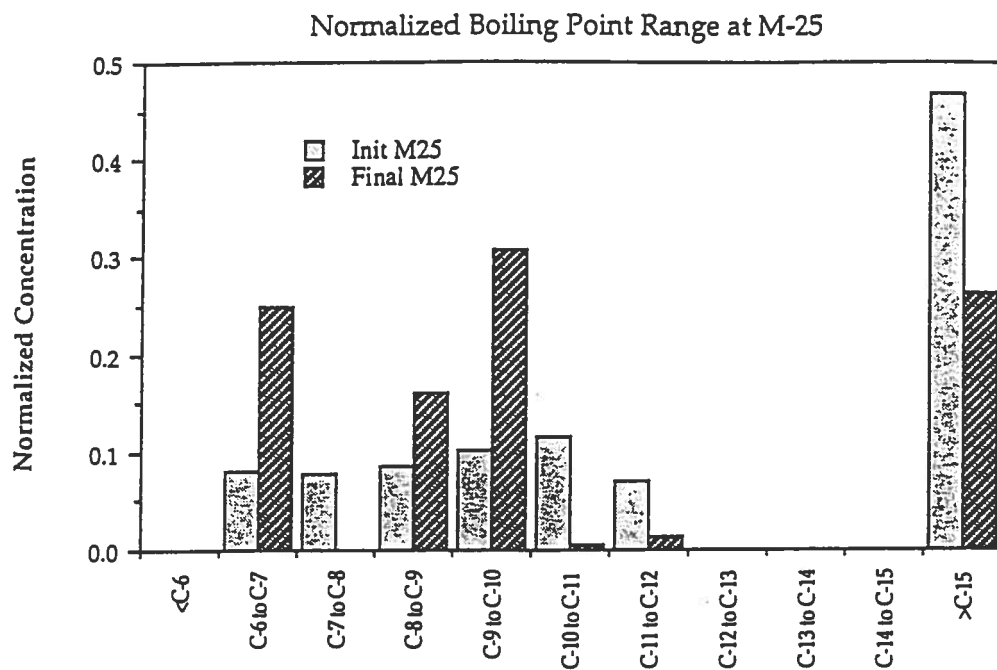
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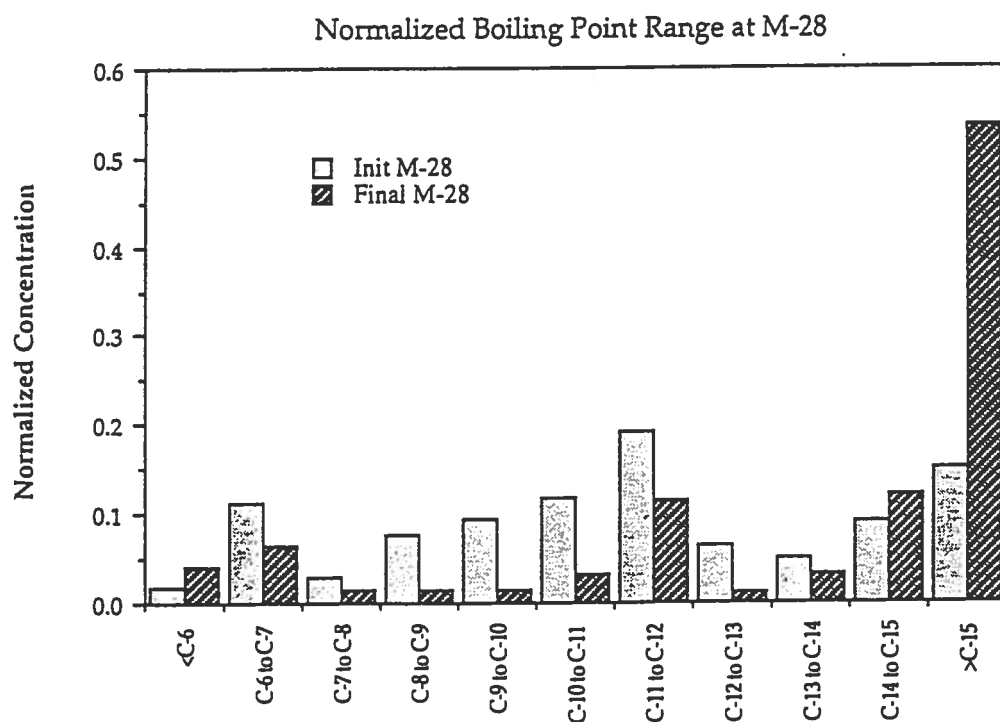
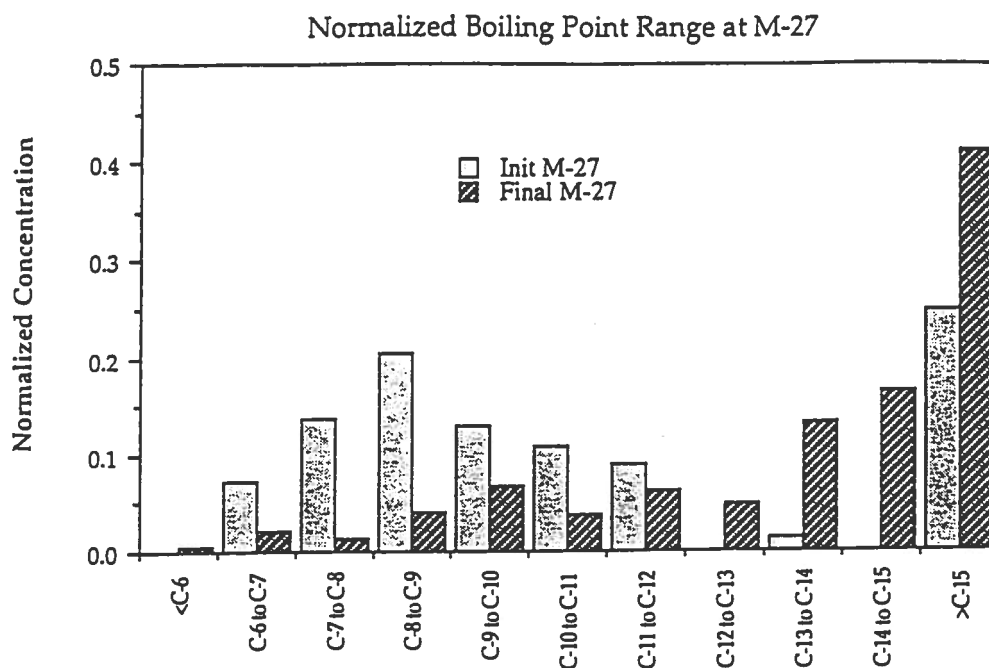


Normalized Boiling Point Range at M-21

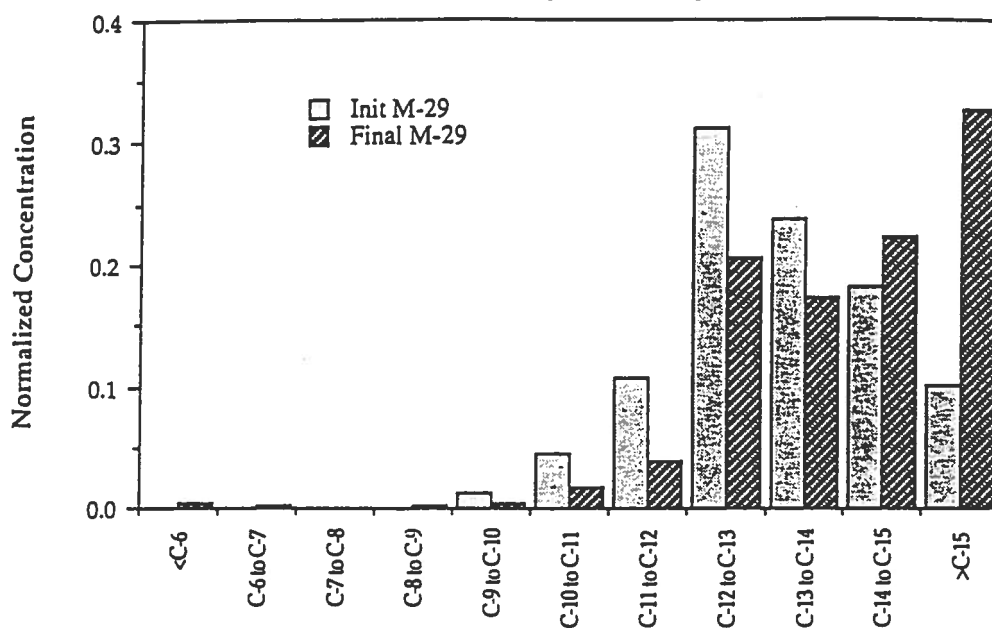




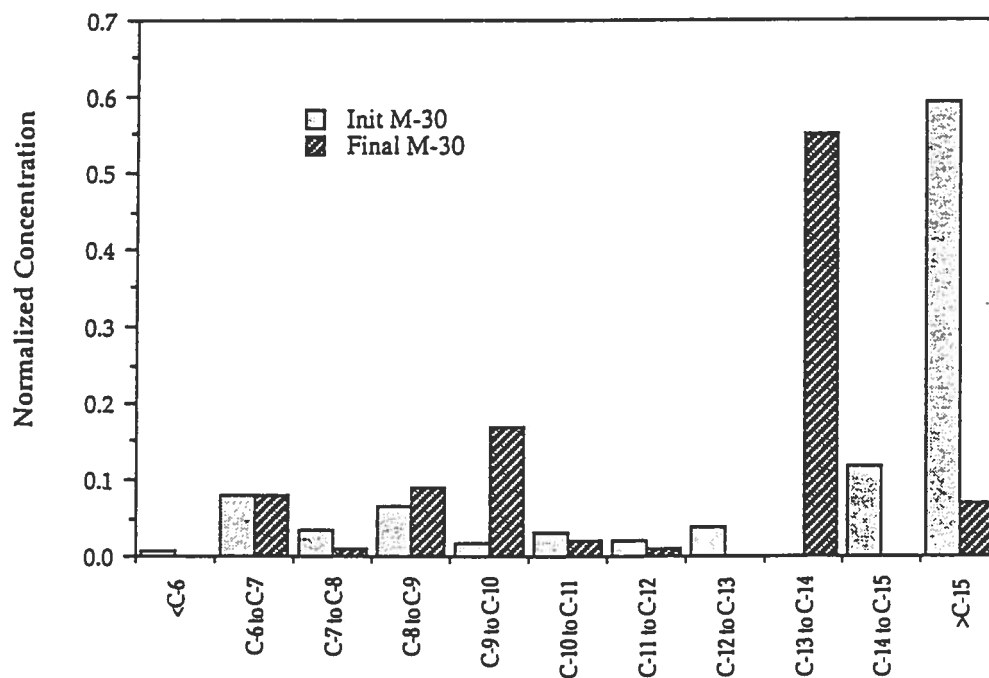


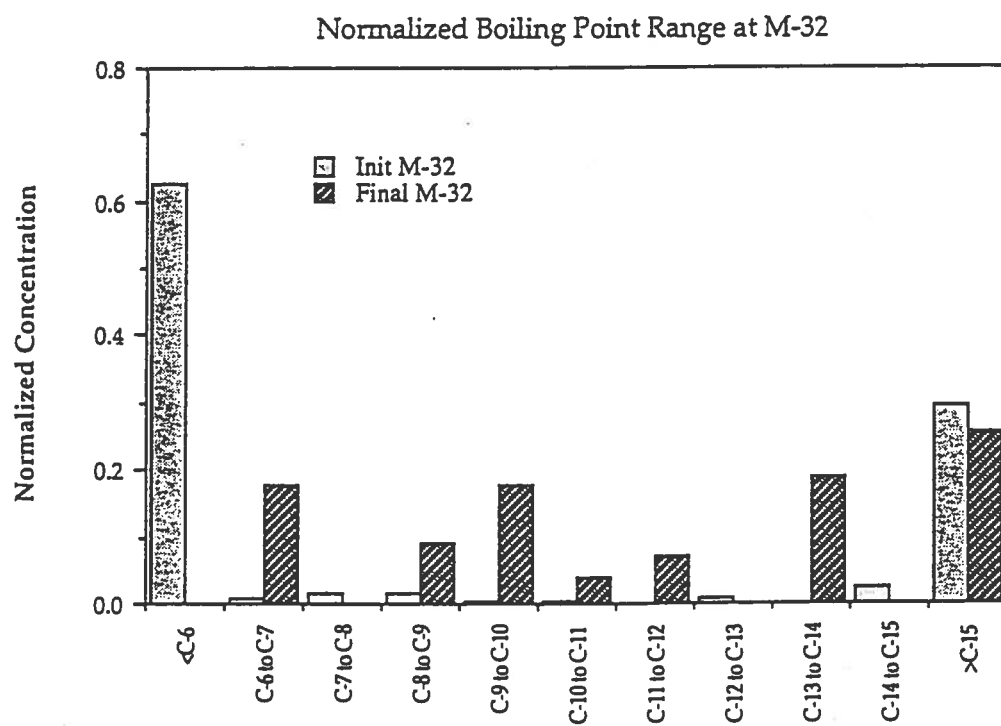
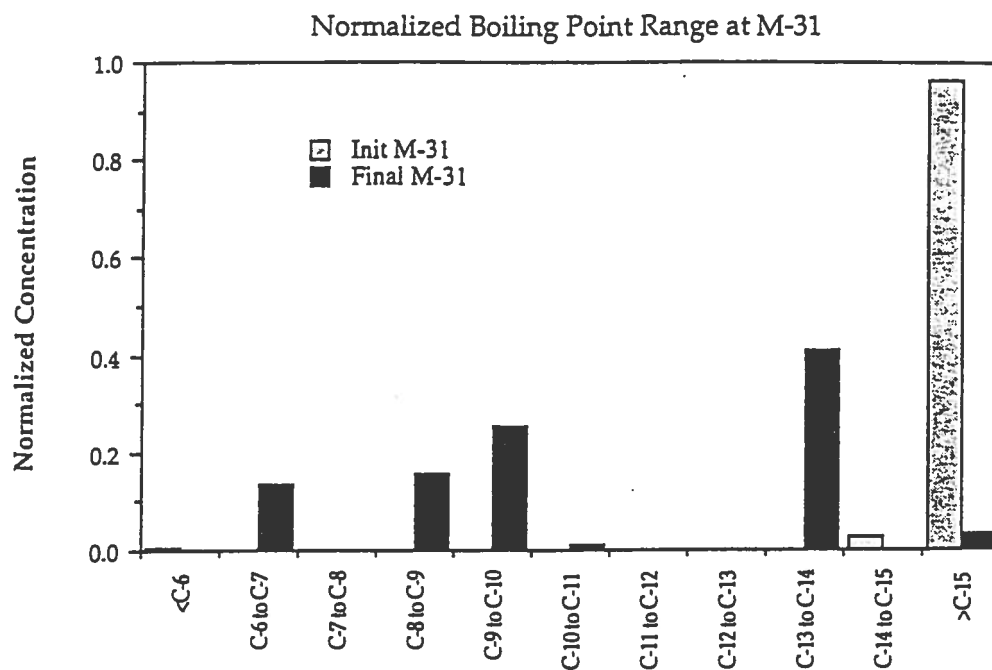


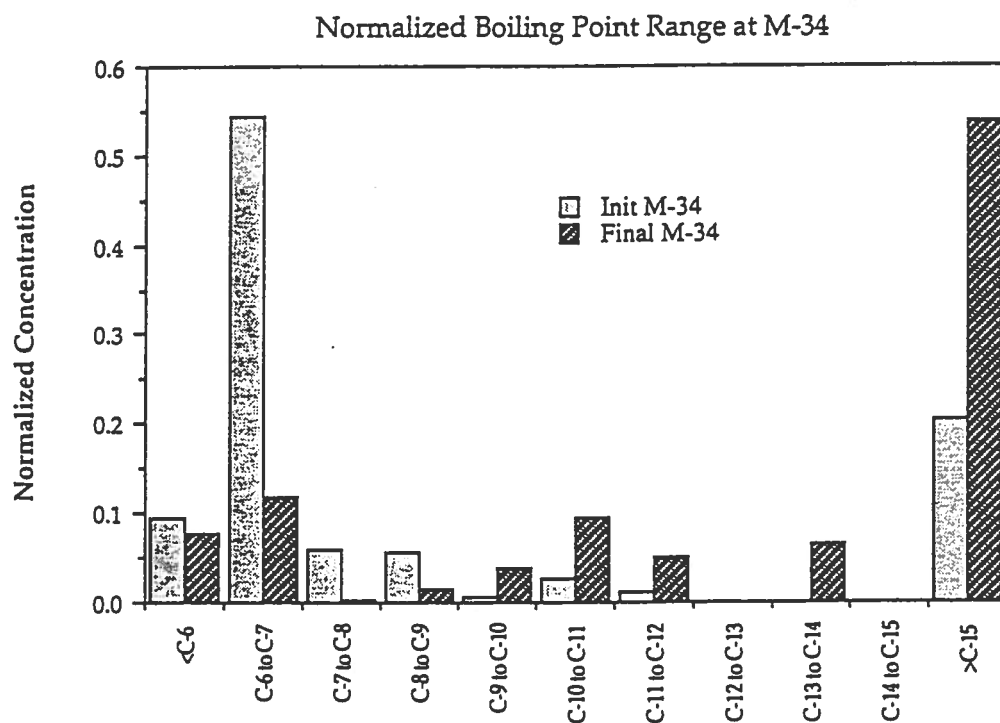
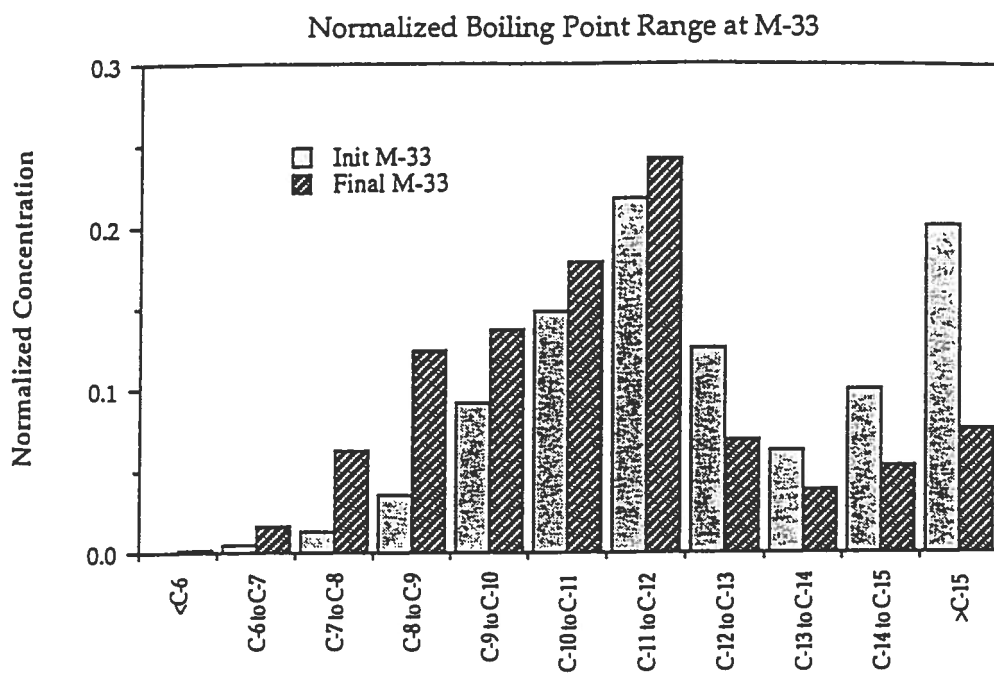
Normalized Boiling Point Range at M-29



Normalized Boiling Point Range at M-30









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**APPENDIX 9**  
**PAH SOIL RESULTS**

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F. E. Warren - Initial PAH Results					
(Soil PAH Samples)					
PAH 1599	FEW M-30, 1-1	Sampled 1/14/93	PAH 1600	FEW M-30, 1-2	Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.17	BDL	Naphthalene	0.16	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.00	BDL
Phenanthrene	0.00	BDL	Phenanthrene	0.00	BDL
Anthracene	0.00	BDL	Anthracene	0.00	BDL
Fluoranthene	0.00	BDL	Fluoranthene	0.00	BDL
Pyrene	0.00	BDL	Pyrene	0.00	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	0.00	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	1.1	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
PAH 1608	FEW M-31, 2-2	Sampled 1/14/93	PAH 1610	FEW M-31, 2-4	Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.15	BDL	Naphthalene	0.16	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.00	BDL
Phenanthrene	0.00	BDL	Phenanthrene	0.00	BDL
Anthracene	0.00	BDL	Anthracene	0.00	BDL
Fluoranthene	0.00	BDL	Fluoranthene	0.00	BDL
Pyrene	0.00	BDL	Pyrene	0.00	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	0.00	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
PAH 1616	FEW M-32, 1-2	Sampled 1/14/93	PAH 1617	FEW M-32, 1-3	Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	1.3	BDL	Naphthalene	0.00	BDL
Acenaphthylene	0.81	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.72	BDL	Acenaphthene	0.71	BDL
Fluorene	0.00	BDL	Fluorene	1.3	BDL
Phenanthrene	1.7	BDL	Phenanthrene	1.7	BDL
Anthracene	1.1	BDL	Anthracene	0.96	BDL
Fluoranthene	0.96	BDL	Fluoranthene	0.91	BDL
Pyrene	0.43	BDL	Pyrene	0.54	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	0.00	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL

BDL: Below detection limit of 2.3 µg/g dry soil.

## F. E. Warren - Initial PAH Results

## (Soil PAH Samples)

PAH 1624			PAH 1625		
FEW M-33, 2-2			FEW M-33, 2-3		
Sampled 1/14/93			Sampled 1/14/93		
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.16	BDL	Naphthalene	0.82	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.00	BDL
Phenanthrene	0.00	BDL	Phenanthrene	0.00	BDL
Anthracene	0.00	BDL	Anthracene	0.00	BDL
Fluoranthene	0.00	BDL	Fluoranthene	0.00	BDL
Pyrene	0.00	BDL	Pyrene	0.00	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	0.00	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.96	BDL	Benzo(g,h,i)perylene	1.0	BDL
PAH 1627			PAH 1628		
FEW M-33, 4-1			FEW M-33, 4-2		
Sampled 1/14/93			Sampled 1/14/93		
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.67	BDL	Naphthalene	1.5	BDL
Acenaphthylene	0.05	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.44	BDL	Acenaphthene	0.80	BDL
Fluorene	0.42	BDL	Fluorene	1.6	BDL
Phenanthrene	0.21	BDL	Phenanthrene	1.9	BDL
Anthracene	0.00	BDL	Anthracene	0.91	BDL
Fluoranthene	0.00	BDL	Fluoranthene	1.2	BDL
Pyrene	0.00	BDL	Pyrene	2.3	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.75	BDL
Chrysene	0.00	BDL	Chrysene	0.62	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	1.3	BDL
PAH 1630			PAH 1636		
FEW M-33, 4-4			FEW M-34, 3-2		
Sampled 1/14/93			Sampled 1/15/93		
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	1.3	BDL	Naphthalene	0.00	BDL
Acenaphthylene	0.86	BDL	Acenaphthylene	0.80	BDL
Acenaphthene	0.63	BDL	Acenaphthene	0.64	BDL
Fluorene	0.00	BDL	Fluorene	1.1	BDL
Phenanthrene	1.6	BDL	Phenanthrene	0.0	BDL
Anthracene	1.2	BDL	Anthracene	0.00	BDL
Fluoranthene	2.7	BDL	Fluoranthene	1.1	BDL
Pyrene	6.8	2.5	Pyrene	1.8	BDL
Benzo(a)anthracene	1.5	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	1.2	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	1.7	BDL	Benzo(k)fluoranthene	1.6	BDL
Benzo(a)pyrene	0.21	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL

BDL: Below detection limit of 2.3 µg/g dry soil.

F. E. Warren - Initial PAH Results					
(Soil PAH Samples)					
PAH 1639	FEW M-29, 4-1	Sampled 1/15/93	PAH 1640	FEW M-29, 4-2	Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.00	BDL	Naphthalene	0.63	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.69	BDL
Phenanthrene	0.56	BDL	Phenanthrene	0.57	BDL
Anthracene	0.32	BDL	Anthracene	0.57	BDL
Fluoranthene	1.3	BDL	Fluoranthene	1.6	BDL
Pyrene	1.3	BDL	Pyrene	1.6	BDL
Benzo(a)anthracene	1.3	BDL	Benzo(a)anthracene	1.5	BDL
Chrysene	2.5	BDL	Chrysene	2.6	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	3.8	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	2.0	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
PAH 1641	FEW M-29, 4-3	Sampled 1/15/93	PAH 1642	FEW M-29, 4-4	Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.00	BDL	Naphthalene	0.82	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.00	BDL
Phenanthrene	0.63	BDL	Phenanthrene	0.91	BDL
Anthracene	1.1	BDL	Anthracene	0.16	BDL
Fluoranthene	1.7	BDL	Fluoranthene	1.3	BDL
Pyrene	1.9	BDL	Pyrene	0.89	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	0.00	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
PAH 1658	FEW M-27, 4-4	Sampled 1/15/93	PAH 1680	FEW M-22, 3-2	Sampled 1/15/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.49	BDL	Naphthalene	0.00	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.00	BDL
Phenanthrene	0.40	BDL	Phenanthrene	0.38	BDL
Anthracene	0.00	BDL	Anthracene	0.00	BDL
Fluoranthene	1.1	BDL	Fluoranthene	1.2	BDL
Pyrene	1.0	BDL	Pyrene	1.3	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	1.7	BDL
Chrysene	0.00	BDL	Chrysene	2.1	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	3.8	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	1.8	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
BDL: Below detection limit of 2.3 µg/g dry soil.					

F. E. Warren - Initial PAH Results					
(Soil PAH Samples)					
PAH 1680R2	FEW M-22, 3-2	Sampled 1/15/93	PAH 1727	FEW M-5, 4-1	Sampled 1/19/93
Compound	Mass (ng)	Concentration (ug/g dry wt.)	Compound	Mass (ng)	Concentration (ug/g dry wt.)
Naphthalene	0.00	BDL	Naphthalene	0.00	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.00	BDL
Phenanthrene	0.40	BDL	Phenanthrene	0.00	BDL
Anthracene	0.00	BDL	Anthracene	0.00	BDL
Fluoranthene	1.3	BDL	Fluoranthene	0.75	BDL
Pyrene	1.3	BDL	Pyrene	1.0	BDL
Benzo(a)anthracene	1.3	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	2.2	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	3.6	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	1.9	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
PAH 1740	FEW M-4, 1-2	Sampled 1/19/93	PAH 1751	FEW M-3, 4-1	Sampled 1/19/93
Compound	Mass (ng)	Concentration (ug/g dry wt.)	Compound	Mass (ng)	Concentration (ug/g dry wt.)
Naphthalene	0.54	BDL	Naphthalene	1.0	BDL
Acenaphthylene	0.34	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.72	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	0.00	BDL
Phenanthrene	0.00	BDL	Phenanthrene	0.79	BDL
Anthracene	0.00	BDL	Anthracene	0.00	BDL
Fluoranthene	1.3	BDL	Fluoranthene	1.5	BDL
Pyrene	1.4	BDL	Pyrene	2.1	BDL
Benzo(a)anthracene	1.6	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	2.2	BDL	Chrysene	0.00	BDL
Benzo(b)fluoranthene	3.5	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	1.9	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	2.9	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
PAH 1772	FEW M-0, 1-2	Sampled 1/19/93	PAH 1777	FEW M-0, 3-3	Sampled 1/19/93
Compound	Mass (ng)	Concentration (ug/g dry wt.)	Compound	Mass (ng)	Concentration (ug/g dry wt.)
Naphthalene	0.66	BDL	Naphthalene	0.79	BDL
Acenaphthylene	0.00	BDL	Acenaphthylene	0.00	BDL
Acenaphthene	0.00	BDL	Acenaphthene	0.00	BDL
Fluorene	0.74	BDL	Fluorene	0.66	BDL
Phenanthrene	1.6	BDL	Phenanthrene	0.80	BDL
Anthracene	0.29	BDL	Anthracene	0.21	BDL
Fluoranthene	2.0	BDL	Fluoranthene	1.4	BDL
Pyrene	2.3	BDL	Pyrene	1.9	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.00	BDL
Chrysene	0.00	BDL	Chrysene	2.9	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.00	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.00	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL

BDL: Below detection limit of 2.3 ug/g dry soil.

F. E. Warren - Initial PAH Results					
(Soil PAH Samples)					
PAH 1855	FEW M-11, 4-1	Sampled 1/17/93	PAH 1858	FEW M-11, 4-3	Sampled 1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.00	BDL	Naphthalene	0.00	BDL
Acenaphthylene	0.84	BDL	Acenaphthylene	0.81	BDL
Acenaphthene	0.78	BDL	Acenaphthene	0.00	BDL
Fluorene	0.00	BDL	Fluorene	1.09	BDL
Phenanthrene	1.42	BDL	Phenanthrene	0.0	BDL
Anthracene	0.00	BDL	Anthracene	0.0	BDL
Fluoranthene	0.8	BDL	Fluoranthene	0.8	BDL
Pyrene	1.1	BDL	Pyrene	1.1	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	0.2	BDL
Chrysene	0.00	BDL	Chrysene	0.0	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	0.0	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	0.0	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	0.00	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	0.00	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	0.00	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
PAH 1867	FEW M-13, 2-1	Sampled 1/18/93	PAH 1869	FEW M-13, 2-3	Sampled 1/18/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Naphthalene	0.53	BDL	Naphthalene	5.1	BDL
Acenaphthylene	0.38	BDL	Acenaphthylene	0.78	BDL
Acenaphthene	0.65	BDL	Acenaphthene	0.98	BDL
Fluorene	0.00	BDL	Fluorene	2.8	BDL
Phenanthrene	0.52	BDL	Phenanthrene	3.3	BDL
Anthracene	0.00	BDL	Anthracene	1.1	BDL
Fluoranthene	1.1	BDL	Fluoranthene	1.6	BDL
Pyrene	0.94	BDL	Pyrene	1.7	BDL
Benzo(a)anthracene	0.00	BDL	Benzo(a)anthracene	1.3	BDL
Chrysene	2.5	BDL	Chrysene	2.6	BDL
Benzo(b)fluoranthene	0.00	BDL	Benzo(b)fluoranthene	3.6	BDL
Benzo(k)fluoranthene	0.00	BDL	Benzo(k)fluoranthene	1.8	BDL
Benzo(a)pyrene	0.00	BDL	Benzo(a)pyrene	3.0	BDL
Indeno(1,2,3-c,d)pyrene	0.00	BDL	Indeno(1,2,3-c,d)pyrene	3.5	BDL
Dibenzo(a,h)anthracene	0.00	BDL	Dibenzo(a,h)anthracene	3.9	BDL
Benzo(g,h,i)perylene	0.00	BDL	Benzo(g,h,i)perylene	0.00	BDL
BDL: Below detection limit of 2.3 µg/g dry soil.					



FE Warren - Final PAH Soil Results

Field ID	M-3,4-1	M-29,4-4	M-10,1-2	M-13,2-3	M-15,2-2	MDL
UWRL Log #	6733	6743	6802	6816	6818	
Collection Date	3/21/95	3/20/95	3/20/95	3/20/95	3/20/95	
Analysis Date	5/19/95	5/19/95	5/19/95	5/19/95	5/19/95	
Sample Dry Weight (g)	6.4	9.7	8.2	7.9	9.7	
Final Extract Volume (mL)	6.0	5.0	5.0	5.0	5.0	

Compound Name	Conc. (μg/g)	Conc. (μg/g)	Conc. (μg/g)	Conc. (μg/g)	Conc. (μg/g)	Conc. (μg/g)
Naphthalene	BDL	BDL	BDL	BDL	BDL	0.8
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	0.6
Acenaphthene	BDL	BDL	BDL	BDL	BDL	0.9
Fluorene	BDL	BDL	BDL	BDL	BDL	0.6
Phenanthrene	BDL	BDL	BDL	BDL	BDL	0.7
Anthracene	BDL	BDL	BDL	BDL	BDL	0.8
Fluoranthene	BDL	BDL	BDL	BDL	BDL	0.9
Pyrene	BDL	BDL	BDL	BDL	BDL	1.2
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	0.7
Chrysene	BDL	BDL	BDL	BDL	BDL	0.7
Benzo(b)fluoranthene	BDL	ND	ND	ND	BDL	0.5
Benzo(k)fluoranthene	BDL	ND	ND	ND	BDL	0.6
Benzo(a)pyrene	ND	ND	BDL	ND	BDL	1.0
Indeno(123-cd)pyrene	ND	ND	ND	ND	ND	1.0
Dibenzo(a,h)anthracene	ND	ND	BDL	ND	ND	0.8
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	0.8

Note: ND - No peak detected, BDL - Below method detection limit.

**APPENDIX 10**  
**CHLORINATED SOLVENT SOIL RESULTS**

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## F. E. Warren - Initial Analytical Results for Chlorinated Compounds in Soil

(Soil Chlorinated Samples)

Chlorinated 1610	FEW M-31, 2-4	Sampled 1/14/93	Chlorinated 1612	FEW M-31, 4-2	Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Methylene Chloride	5.9	12	Methylene Chloride	0.90	5.0
1,1-Dichloroethene	<0.25	<0.52	1,1-Dichloroethene	<0.25	<1.4
1,1-Dichloroethane	<0.25	<0.52	1,1-Dichloroethane	<0.25	<1.4
Chloroform	<0.25	<0.52	Chloroform	<0.25	<1.4
Carbon Tetrachloride	<0.25	<0.52	Carbon Tetrachloride	<0.25	<1.4
1,2-Dichloropropane	<0.25	<0.52	1,2-Dichloropropane	<0.25	<1.4
Trichloroethene	<0.25	<0.52	Trichloroethene	<0.25	<1.4
Dibromochloromethane	<0.25	<0.52	Dibromochloromethane	<0.25	<1.4
1,1,2-Trichloroethane	<0.25	<0.52	1,1,2-Trichloroethane	<0.25	<1.4
2-Chloroethylvinylether	<0.50	<1.0	2-Chloroethylvinylether	<0.50	<2.8
Tetrachloroethene	<0.25	<0.52	Tetrachloroethene	<0.25	<1.4
Chlorobenzene	<0.25	<0.52	Chlorobenzene	<0.25	<1.4
1,2-Dichlorobenzene	<0.25	<0.52	1,2-Dichlorobenzene	<0.25	<1.4
Trichlorofluoromethane	<0.25	<0.52	Trichlorofluoromethane	<0.25	<1.4

Chlorinated 1614	FEW M-31, 4-4	Sampled 1/14/93	Chlorinated 1624	FEW M-33, 2-2	Sampled 1/14/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Methylene Chloride	18	79.00	Methylene Chloride	0.50	4.30
1,1-Dichloroethene	<0.25	<1.1	1,1-Dichloroethene	<0.25	<2.2
1,1-Dichloroethane	<0.25	<1.1	1,1-Dichloroethane	<0.25	<2.2
Chloroform	<0.25	<1.1	Chloroform	<0.25	<2.2
Carbon Tetrachloride	<0.25	<1.1	Carbon Tetrachloride	<0.25	<2.2
1,2-Dichloropropane	<0.25	<1.1	1,2-Dichloropropane	<0.25	<2.2
Trichloroethene	<0.25	<1.1	Trichloroethene	1.6	14
Dibromochloromethane	<0.25	<1.1	Dibromochloromethane	<0.25	<2.2
1,1,2-Trichloroethane	<0.25	<1.1	1,1,2-Trichloroethane	<0.25	<2.2
2-Chloroethylvinylether	<0.50	<2.2	2-Chloroethylvinylether	<0.50	<4.3
Tetrachloroethene	<0.25	<1.1	Tetrachloroethene	0.49	4.20
Chlorobenzene	<0.25	<1.1	Chlorobenzene	<0.25	<2.2
1,2-Dichlorobenzene	<0.25	<1.1	1,2-Dichlorobenzene	<0.25	<2.2
Trichlorofluoromethane	<0.25	<1.1	Trichlorofluoromethane	<0.25	<2.2

Chlorinated 1769	FEW M-19, 4-3	Sampled 1/19/93	Chlorinated 1832	FEW M-16, 3-22	Sampled 1/17/93
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Methylene Chloride	36	103	Methylene Chloride	0.63	3.7
1,1-Dichloroethene	<0.25	<0.71	1,1-Dichloroethene	<0.25	<1.5
1,1-Dichloroethane	<0.25	<0.71	1,1-Dichloroethane	<0.25	<1.5
Chloroform	<0.25	<0.71	Chloroform	<0.25	<1.5
Carbon Tetrachloride	<0.25	<0.71	Carbon Tetrachloride	<0.25	<1.5
1,2-Dichloropropane	<0.25	<0.71	1,2-Dichloropropane	<0.25	<1.5
Trichloroethene	2.2	6.30	Trichloroethene	<0.25	<1.5
Dibromochloromethane	<0.25	<0.71	Dibromochloromethane	<0.25	<1.5
1,1,2-Trichloroethane	<0.25	<0.71	1,1,2-Trichloroethane	<0.25	<1.5
2-Chloroethylvinylether	<0.50	<1.4	2-Chloroethylvinylether	<0.50	<3.0
Tetrachloroethene	<0.25	<0.71	Tetrachloroethene	<0.25	<1.5
Chlorobenzene	<0.25	<0.71	Chlorobenzene	<0.25	<1.5
1,2-Dichlorobenzene	<0.25	<0.71	1,2-Dichlorobenzene	<0.25	<1.5
Trichlorofluoromethane	<0.25	<0.71	Trichlorofluoromethane	<0.25	<1.5

F. E. Warren - Initial Analytical Results for Chlorinated Compounds in Soil

(Soil Chlorinated Samples)

Chlorinated 1844 FEW M-10, 1-2 Sampled 1/17/93			Chlorinated 1847 FEW M-10, 3-1 Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Methylene Chloride	5.6	12	Methylene Chloride	1.7	3.7
1,1-Dichloroethene	<0.25	<0.52	1,1-Dichloroethene	<0.25	<0.55
1,1-Dichloroethane	<0.25	<0.52	1,1-Dichloroethane	<0.25	<0.55
Chloroform	<0.25	<0.52	Chloroform	<0.25	<0.55
Carbon Tetrachloride	<0.25	<0.52	Carbon Tetrachloride	<0.25	<0.55
1,2-Dichloropropane	<0.25	<0.52	1,2-Dichloropropane	<0.25	<0.55
Trichloroethene	<0.25	<0.52	Trichloroethene	0.90	2.0
Dibromochloromethane	<0.25	<0.52	Dibromochloromethane	<0.25	<0.55
1,1,2-Trichloroethane	<0.25	<0.52	1,1,2-Trichloroethane	<0.25	<0.55
2-Chloroethylvinylether	<0.50	<1.0	2-Chloroethylvinylether	<0.50	<1.1
Tetrachloroethene	<0.25	<0.52	Tetrachloroethene	<0.25	<0.55
Chlorobenzene	<0.25	<0.52	Chlorobenzene	<0.25	<0.55
1,2-Dichlorobenzene	<0.25	<0.52	1,2-Dichlorobenzene	<0.25	<0.55
Trichlorofluoromethane	<0.25	<0.52	Trichlorofluoromethane	<0.25	<0.55

Chlorinated 1849 FEW M-10, 3-3 Sampled 1/17/93			Chlorinated 1851 FEW M-11, 2-1 Sampled 1/17/93		
Compound	Mass (ng)	Concentration (µg/g dry wt.)	Compound	Mass (ng)	Concentration (µg/g dry wt.)
Methylene Chloride	35	168	Methylene Chloride	0.52	0.61
1,1-Dichloroethene	<0.25	<1.2	1,1-Dichloroethene	<0.25	<0.30
1,1-Dichloroethane	<0.25	<1.2	1,1-Dichloroethane	<0.25	<0.30
Chloroform	<0.25	<1.2	Chloroform	<0.25	<0.30
Carbon Tetrachloride	<0.25	<1.2	Carbon Tetrachloride	<0.25	<0.30
1,2-Dichloropropane	<0.25	<1.2	1,2-Dichloropropane	<0.25	<0.30
Trichloroethene	0.36	1.7	Trichloroethene	<0.25	<0.30
Dibromochloromethane	<0.25	<1.2	Dibromochloromethane	<0.25	<0.30
1,1,2-Trichloroethane	<0.25	<1.2	1,1,2-Trichloroethane	<0.25	<0.30
2-Chloroethylvinylether	<0.50	<2.4	2-Chloroethylvinylether	<0.50	<0.59
Tetrachloroethene	<0.25	<1.2	Tetrachloroethene	<0.25	<0.30
Chlorobenzene	<0.25	<1.2	Chlorobenzene	<0.25	<0.30
1,2-Dichlorobenzene	<0.25	<1.2	1,2-Dichlorobenzene	<0.25	<0.30
Trichlorofluoromethane	<0.25	<1.2	Trichlorofluoromethane	<0.25	<0.30

**FE Warren - Final Chlorinated Solvent Results**

Field ID	M-19,4-3	M-31,4-4	M-31,4-2	M-31,2-4	M-31,2-2	M-10,3-3
UWRL Log #	6771	6791	6793	6794	6795	6799
Collection Date	3/21/95	3/20/95	3/20/95	3/20/95	3/20/95	3/20/95
Analysis Date	4/14/95	4/14/95	4/14/95	4/14/95	4/14/95	4/14/95
Sample Dry Weight (g)	1.9	1.8	1.7	2.8	2.3	1.5
Extract volume (mL)	41.9	43.7	43.6	42.7	42.9	43.5
Dilution Factor	1	1	1	1	1	1
Compound Name	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)
Methylene Chloride	0.255	0.573	0.379	0.148	0.221	0.219
Trichloroethylene	0.064	0.006	0.007	0.005	0.004	0.003
Tetrachloroethylene	ND	ND	ND	ND	ND	ND

Field ID	M-10,3-1	M-10,1-2	M-11,2-1	M-16,3-2	M-16,3-2
UWRL Log #	6800	6802	6809	6821	6821R
Sample Date	3/20/95	3/20/95	3/20/95	3/20/95	3/20/95
Analysis Date	4/14/95	4/14/95	4/14/95	4/14/95	4/14/95
Sample Dry Weight (g)	1.7	2.1	4.2	1.7	1.7
Extract volume (mL)	43.3	43.0	42.2	43.5	43.5
Dilution Factor	1	1	1	1	2
Compound Name	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)
Methylene Chloride	0.243	0.350	0.076	0.224	—
Trichloroethylene	0.005	1.032	0.010	—	5.329
Tetrachloroethylene	ND	ND	0.00	ND	ND

ND-No peak detected

FE Warren - Final Chlorinated Solvent Results

Field ID	M-19,4-3	M-31,4-4	M-31,4-2	M-31,2-4	M-31,2-2	M-10,3-3
UWRL Log #	6771	6791	6793	6794	6795	6799
Collection Date	3/21/95	3/20/95	3/20/95	3/20/95	3/20/95	3/20/95
Analysis Date	4/14/95	4/14/95	4/14/95	4/14/95	4/14/95	4/14/95
Sample Dry Weight (g)	1.9	1.8	1.7	2.8	2.3	1.5
Extract volume (mL)	41.9	43.7	43.6	42.7	42.9	43.5
Dilution Factor	1	1	1	1	1	1
Compound Name	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)
Methylene Chloride	0.255	0.573	0.379	0.148	0.221	0.219
Trichloroethylene	0.064	0.006	0.007	0.005	0.004	0.003
Tetrachloroethylene	ND	ND	ND	ND	ND	ND

Field ID	M-10,3-1	M-10,1-2	M-11,2-1	M-16,3-2	M-16,3-2
UWRL Log #	6800	6802	6809	6821	6821R
Sample Date	3/20/95	3/20/95	3/20/95	3/20/95	3/20/95
Analysis Date	4/14/95	4/14/95	4/14/95	4/14/95	4/14/95
Sample Dry Weight (g)	1.7	2.1	4.2	1.7	1.7
Extract volume (mL)	43.3	43.0	42.2	43.5	43.5
Dilution Factor	1	1	1	1	2
Compound Name	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)	Conc. (µg/g)
Methylene Chloride	0.243	0.350	0.076	0.224	---
Trichloroethylene	0.005	1.032	0.010	---	5.329
Tetrachloroethylene	ND	ND	0.00	ND	ND

ND-No peak detected

**APPENDIX 11**  
**SURFACE EMISSION TEST RESULTS**



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Emission Data Summary, F.E. Warren AFB

Sample Name	Sample Date	Sample Location	Injection Flow (cfm)	Injection Media	breakthrough (%)	C6-Emission Flux (g/m <sup>2</sup> -s)	Soil-Contam. Level
MP11-2	4/24/93	MP11	1-2	air	32	6.60E-07	HIGH
FC17-1NF	4/23/93	MP17	0.0	~	32	3.87E-07	LOW
FC17-1NF	4/23/93	MP17	0.0	~	47	1.30E-07	LOW
MP28-2NF	4/23/93	MP28	0.0	~	18	5.51E-07	HIGH
MP30-1NF	4/23/93	MP30	0.0	~	3.6	2.10E-07	LOW
MP30-2NF	4/23/93	MP30	0.0	~	1.5	7.33E-07	LOW
MP30-1	4/24/93	MP30	1-2	air	18.8	1.75E-07	LOW
MP30-2	4/24/93	MP30	1-2	air	42.1	1.64E-07	LOW
FC30-1-1	9/22/93	MP30	1-2	air	43.4	0.00E+00	LOW
FC30-1-1	9/22/93	MP30	0.0	air	35.6	0.00E+00	LOW
FC11-1-1NF	9/22/93	MP11	0.0	~	3.5	0.00E+00	HIGH
FC32-1-2	9/22/93	MP32	1-2	air	21.7	2.24E-07	HIGH
M26-1	7/7/94	MP26	1-2	air	47.1	5.42E-08	BACKGROUND
M26-2	7/7/94	MP26	1-2	air	1.3	4.97E-07	BACKGROUND
TC1	7/10/94	TC1	32	air	14.7	8.10E-08	HIGH
TCA2	7/11/94	TC1	50	air	30.0	2.89E-08	HIGH
M29-1	7/10/94	MP29	32	air	30.0	0.00E+00	HIGH
M29-1	7/11/94	MP29	50	air	0.0	0.00E+00	HIGH
TC1-2	7/11/94	TC1	50	air	35.5	0.00E+00	HIGH
TCA-1	7/11/94	TC1	50	air	24.2	5.98E-08	HIGH
TCA-2	7/11/94	TC1	50	air	22.8	0.00E+00	HIGH
TC1	7/10/94	TC1	32	air	12.8	1.01E-08	HIGH
TC1-2	7/10/94	TC1	32	air	37.8	1.44E-07	HIGH
M32-1	3/21/95	MP32	0.5	oxygen	17	1.38E-08	HIGH
M32-1NF	3/1/95	MP32	0.0	~	33	1.16E-08	HIGH
M30-2	3/1/95	MP30	0.5	oxygen	35.3	0.00E+00	HIGH

# One Way ANOVA - Surface Emission Rate vs Soil Contaminant Level

One Factor ANOVA  $X_1$ : Soil Contaminant Level  $Y_1$ : Flux

Analysis of Variance Table

Source:	DF:	Sum Squares:	Mean Square:	F-test
Between groups	2	9.80738E-14	4.90369E-14	1.00555
Within groups	23	1.12163E-12	4.87664E-14	p = .3814
Total	25	1.21970E-12		

Model II estimate of between component variance = 3.99511E-17

One Factor ANOVA  $X_1$ : Soil Contaminant Level  $Y_1$ : Flux

Group:	Count:	Mean:	Std. Dev.:	Std. Error:
High	16	1.11456E-7	2.03726E-7	5.09315E-8
Low	8	2.24875E-7	2.39353E-7	8.46241E-8
Background	2	2.75600E-7	3.13107E-7	2.21400E-7

One Factor ANOVA  $X_1$ : Soil Contaminant Level  $Y_1$ : Flux

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnnett t:
High vs. Low	-1.13419E-7	1.97832E-7	.70342	1.18611
High vs. Background	-1.64144E-7	3.42655E-7	.49111	.99107
Low vs. Background	-5.07250E-8	3.61190E-7	.04221	.29055

# One Way ANOVA - Surface Emission Rate vs Injection Flowrate

One Factor ANOVA X<sub>1</sub>: Flow rate Y<sub>1</sub>: Flux

Analysis of Variance Table

Source:	DF:	Sum Squares:	Mean Square:	F-test:
Between groups	3	2.24607E-13	7.48689E-14	1.65523
Within groups	22	9.95095E-13	4.52316E-14	p = .2056
Total	25	1.21970E-12		

Model II estimate of between component variance = 4.71778E-15

One Factor ANOVA X<sub>1</sub>: Flow rate Y<sub>1</sub>: Flux

Group:	Count:	Mean:	Std. Dev.:	Std. Error:
q1	8	2.52825E-7	2.77857E-7	9.82371E-8
q2	9	1.98622E-7	2.34040E-7	7.80133E-8
q3	4	5.86500E-8	6.74039E-8	3.37020E-8
q4	5	1.77400E-8	2.66351E-8	1.19116E-8

One Factor ANOVA X<sub>1</sub>: Flow rate Y<sub>1</sub>: Flux

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnett t:
q1 vs. q2	5.42028E-8	2.14342E-7	.0917	.5245
q1 vs. q3	1.94175E-7	2.70125E-7	.74096	1.49093
q1 vs. q4	2.35085E-7	2.51473E-7	1.25315	1.93893
q2 vs. q3	1.39972E-7	2.65076E-7	.39983	1.09522
q2 vs. q4	1.80882E-7	2.46041E-7	.77502	1.52481

# One Way ANOVA - Surface Emission Rate vs Injection Flowrate

One Factor ANOVA  $X_1$ : Flow rate  $Y_1$ : Flux

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnnett t:
q3 vs. q4	4.09100E-8	2.95907E-7	.02741	.28675

Total Surface Emission Flux Rate Data- FEW AFB(4/93)

Sample Name	Sample No.	Sample Date	Sample Location	Injection Flow (cfm)	Mass (ng)	Corrected Mass(ng)	C-5 to C-15 (g/m <sup>2</sup> -s)	C-6 (g/m <sup>2</sup> -s)	C-6 (g/m <sup>2</sup> -day)
MP11-1nf	2470	23-Apr-93	MP 11		520	520	5.51E-08	5.55E-08	0.005
MP11-2nf	2472	23-Apr-93	MP 11		306	306	3.61E-08	3.64E-08	0.003
MP11-1nfBT	2474	24-Apr-93	MP 11	0	2009	2008	3.25E-08	3.27E-08	0.003
MP11-2nfBT	2476	23-Apr-93	MP 11		990	989	1.17E-07	1.18E-07	0.010
MP11-1	2471	24-Apr-93	MP 11		489	489	5.41E-08	5.45E-08	0.005
MP11-2	2473	24-Apr-93	MP 11	1-2	2983	2983	4.54E-07	4.57E-07	0.040
MP11-2BT	2477	24-Apr-93	MP 11		1324	1323	2.01E-07	2.03E-07	0.018
MP17-1nf	2478	23-Apr-93	MP 17		2181	2181	2.57E-07	2.59E-07	0.022
MP17-2nf	2480	23-Apr-93	MP 17		637	637	6.75E-08	6.80E-08	0.006
MP17-1BTnf	2482	23-Apr-93	MP 17	0	1077	1077	1.27E-07	1.28E-07	0.011
MP17-2BTnf	2484	23-Apr-93	MP 17		578	578	6.13E-08	6.17E-08	0.005
MP17-1	2479	24-Apr-93	MP 17		154	154	1.71E-08	1.72E-08	0.001
MP17-2	2481	24-Apr-93	MP 17		442	441	6.72E-08	6.77E-08	0.006
MP17-1BT	2483	24-Apr-93	MP 17	1-2	735	734	8.12E-08	8.18E-08	0.007
MP17-2BT	2485	24-Apr-93	MP 17		-	-	-	-	-
MP28-1nf	2486	23-Apr-93	MP 28		445	445	4.72E-08	4.75E-08	0.004
MP28-2nf	2488	23-Apr-93	MP 28		3800	3800	4.48E-07	4.52E-07	0.039
MP28-1BTnf	2490	23-Apr-93	MP 28	0	3347	3346	3.55E-07	3.57E-07	0.031
MP28-2BTnf	2492	23-Apr-93	MP 28		834	834	9.84E-08	9.91E-08	0.009
MP28-1	2487	24-Apr-93	MP 28		-	-	-	-	-
MP28-2	2489	24-Apr-93	MP 28		-	-	-	-	-
MP28-1BT	2491	24-Apr-93	MP 28	1-2	481	481	5.32E-08	5.36E-08	0.005
MP28-2BT	2493	24-Apr-93	MP 28		1034	1034	1.57E-07	1.59E-07	0.014
MP30-1nf	2494	23-Apr-93	MP 30		1897	1897	2.01E-07	2.02E-07	0.017
MP30-2nf	2496	23-Apr-93	MP 30	0	6101	6101	7.20E-07	7.25E-07	0.063
MP30-1nfBT	2498	23-Apr-93	MP 30		72.1	71.9	7.64E-09	7.70E-09	0.001
MP30-2nfBT	2500	23-Apr-93	MP 30		65.9	65.7	7.78E-09	7.83E-09	0.001

Total Surface Emission Flux Rate Data- FEW AFB(4/93)

Sample Name	Sample No.	Sample Date	Sample Location	Injection Flow (cfm)	Mass (ng)	Corrected Mass(ng)	C-5 to C-15 (g/m <sup>2</sup> -s)	C-6 (g/m <sup>2</sup> -s)	C-6 (g/m <sup>2</sup> -day)
MP30-1	2495	24-Apr-93	MP 30	1~2	1179	1179	1.30E-07	1.31E-07	0.011
MP30-2	2497	24-Apr-93	MP 30		607	606	9.24E-08	9.30E-08	0.008
MP30-1BT	2499	24-Apr-93	MP 30		1.9	1.7	3.94E-08	4.41E-08	0.004
MP30-2BT	2501	24-Apr-93	MP 30		3.1	2.9	6.33E-08	7.09E-08	0.006
Field Blk	2502	23-Apr-93	FEW	0	0.87	-	0.00E+00	0.00E+00	0.000
MP20 Blk	2503	23-Apr-93			0.0	-	0.00E+00	0.00E+00	0.000
Field blk	2504	24-Apr-93			0.0	-	0.00E+00	0.00E+00	0.000
Field blk	2505	24-Apr-93			0.0	-	0.00E+00	0.00E+00	0.000
trip blk	2506	23-Apr-93	FEW	0	0.0	-	0.00E+00	0.00E+00	0.000
trip blk	2507	23-Apr-93			0.0	-	0.00E+00	0.00E+00	0.000
trip blk	2508	24-Apr-93			0.0	-	0.00E+00	0.00E+00	0.000
trip blk	2509	24-Apr-93			0.0	-	0.00E+00	0.00E+00	0.000

Tenax® Sorbent Tube Breakthrough Results - Air Injection, FEW(4/93)

Compound	MP11-1nf MP11-1nfbt			MP11-2nf MP11-2nfbt			MP11-2 MP11-2bt		
	2470	2474		2472	2476		2473	2477	
	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %
benzene	0.0	86.7	100	0.0	0.0	~	13.1	23.5	64
n-heptane	32.1	460	93	0.0	104	100	3221	17.0	1
toluene	10.38	174	94	0.0	30.5	100	90.9	0.0	0
n-octane	0.0	20.5	100	0.0	0.0	~	0.0	51.4	100
ethylbenzene	22.9	285	93	0.0	42.2	100	126	0.0	0
p-xylene	108.16	348	76	40.8	153	79	124	0.0	0
n-nonane	0.0	25.4	100	0.0	0.0	~	0.0	0.0	~
n-propylbenzene	0.0	47.1	100	0.0	0.0	~	36.8	117	76
n-decane	486	16.8	3	342	0.0	0	12.4	29.3	70
n-butylbenzene	0.0	83.6	100	0.0	0.0	~	46.8	68.2	59
n-undecane	0.0	0.0	~	0.0	22.1	100	3.8	32.2	89
naphthalene	0.0	28.5	100	0.0	0.0	~	22.2	0.0	0
n-dodecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-tridecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
methylnaphthalene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-tetradecane	0.0	0.0	~	0.0	9.0	100	0.0	0.0	~
n-pentadecane	0.0	0.0	~	0.0	0.0	~	0.0	454	100
C-6 to C-7	0.0	102	100	0.0	0.0	~	38.0	132	78
C-7 to C-8	45.4	643	93	0.0	131	100	3,128	31.1	1
C-8 to C-9	138	1,009	88	43.1	254	86	379	228	38
C-9 to C-10	0.0	697	100	0.0	856	100	170	791	82
C-10 to C-11	489	114	19	343	20.8	6	81.0	121	60
C-11 to C-12	0.0	26.6	100	9.9	0.0	0	24.6	67.7	73
C-12 to C-13	0.0	0.0	~	0.0	0.0	~	0.0	16.0	100
C-13 to C-14	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
C-14 to C-15	0.0	0.0	~	0.0	9.7	100	0.0	415	100
>C-15	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
Total TPH	672	2592	79	396	1,272	76	3,821	1803	32



Test 9 Sorbent Tube Breakthrough Results - Air Injection, FEW(4/93)

Compound	MP17-1nf MP17-1nfbt			MP17-2nf MP17-2nfbt			MP17-1 MP17-1bt		
	2478	2482	BT	2480	2484	BT	2479	2483	BT
	Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)	
benzene	776	0.0	0	0.0	0.0	~	13.2	303	96
n-heptane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
toluene	0.0	0.0	~	0.0	0.0	~	0.0	8.2	100
n-octane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
ethylbenzene	0.0	10.8	100	31.0	54.2	64	0.0	132	100
p-xylene	0.0	0.0	~	0.0	0.0	~	0.0	11.4	100
n-nonane	11.4	0.0	0	0.0	0.0	~	0.0	15.9	100
n-propylbenzene	1,069	1197	53	455	516	53	114	96.4	46
n-decane	0.0	0.0	~	0.0	21.5	100	6.5	6.3	49
n-butylbenzene	0.0	23.1	100	21.1	57.2	73	22.8	15.4	40
n-undecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
naphthalene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-dodecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-tridecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
methylnaphthalene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-tetradecane	0.0	5.2	100	13.2	10.1	43	0.0	0.0	~
n-pentadecane	238	0.0	0.0	25.1	0.0	0	0.0	0.0	~
C-6 to C-7	917	0.0	0.0	0.0	0.0	~	37.7	358	90.5
C-7 to C-8	102	0.0	0.0	27.2	0.0	0.0	0.0	93.9	100
C-8 to C-9	414	0.0	0.0	221	55.1	19.9	0.0	346	100
C-9 to C-10	1203	11.0	1	501	576	53.5	121	160	57.0
C-10 to C-11	0.0	1280	100	22.3	82.0	78.6	43.8	22.6	34.0
C-11 to C-12	33.3	24.4	42	17.4	22.2	56.1	0.0	0.0	~
C-12 to C-13	15.9	28.1	64	0.0	0.0	~	0.0	0.0	~
C-13 to C-14	13.0	11.3	47	13.4	0.0	0.0	0.0	0.0	~
C-14 to C-15	34.4	13.1	28	23.0	10.9	32.2	0.0	0.0	~
>C-15	238	22.6	9	0.0	0.0	~	0.0	0.0	~
Total TPH	2,971	1390	32	826	746	47	202	981	83

Tenax® Sorbent Tube Breakthrough Results - Air Injection, FEW(4/93)

Compound	MP28-1	MP28-1bt		MP28-2	MP28-2bt		MP30-1n	MP30-1nbt	
	2487	2491	BT	2489	2493	BT	2494	2498	BT
	Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)	
benzene		0.0	~		0.0	~	71.2	0.0	0.0
n-heptane		87.1	~		0.0	~	402	49.5	11.0
toluene		0.0	~		5.2	~	282	15.1	5.1
n-octane	broken	0.0	~	broken	0.0	~	45.4	0.0	0.0
ethylbenzene	tube	0.0	~	tube	0.0	~	0.0	19.4	100
p-xylene		52.3	~		168	~	569	9.3	1.6
n-nonane		51	~		0.0	~	43.7	0.0	0.0
n-propylbenzene		0.0	~		0.0	~	0.0	0.0	~
n-decane		251	~		1120	~	222	0.0	0.0
n-butylbenzene		0.0	~		0.0	~	53.2	0.0	0.0
n-undecane		24.8	~		0.0	~	0.0	0.0	~
naphthalene		0.0	~		0.0	~	23.8	0.0	0.0
n-dodecane		0.0	~		0.0	~	11.5	0.0	0.0
n-tridecane		0.0	~		0.0	~	0.0	0.0	~
methylnaphthalene		0.0	~		11.6	~	0.0	0.0	~
n-tetradecane		0.0	~		16.9	~	0.0	0.0	~
n-pentadecane		0.0	~		0.0	~	0.0	0.0	~
C-6 to C-7		0.0	~		0.0	~	84.1	0.0	0.0
C-7 to C-8		136	~		9.3	~	774	62.9	7.5
C-8 to C-9	broken	133	~	broken	178	~	1191	29.5	2.4
C-9 to C-10	tube	75.3	~	tube	0.0	~	41.1	0.0	0.0
C-10 to C-11		252	~		1,125	~	316	0.0	0.0
C-11 to C-12		24.7	~		0.0	~	22.2	0.0	0.0
C-12 to C-13		0.0	~		0.0	~	11.8	0.0	0.0
C-13 to C-14		0.0	~		10.0	~	10.8	0.0	0.0
C-14 to C-15		0.0	~		18.3	~	0.0	0.0	~
>C-15		0.0	~		0.0	~	0.0	0.0	~
Total TPH		621			1341		2,450	92	3.6

Tenax® Sorbent Tube Breakthrough Results - Air Injection, FEW(4/93)

Compound	MP17-2	MP17-2bt		MP28-1nf MP28-1nfbt			MP28-2nfMP28-2nfbt		
	2481	2485	BT	2486	2490	BT	2488	2492	BT
	Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)	
benzene	17.7		~	0.0	200	100	126	34.8	21.7
n-heptane	0.0		~	0.0	824	100	0.0	46.3	100
toluene	0.0		~	0.0	0.0	~	10.7	0.0	0.0
n-octane	0.0	broken	~	0.0	24.7	100	0.0	0.0	~
ethylbenzene	0.0	tube	~	140	0.0	0	0.0	0.0	~
p-xylene	0.0		~	11.3	534	98	15.1	110	87.9
n-nonane	0.0		~	13.2	615	98	0.0	77.1	100
n-propylbenzene	366		~	191	22.5	11	3,091	0.0	0.0
n-decane	7.0		~	0.0	281	100	25.7	447	94.6
n-butylbenzene	37.9		~	23.3	22.3	49	0.0	32.2	100
n-undecane	0.0		~	0.0	0.0	~	7.6	0.0	0.0
naphthalene	0.0		~	0.0	0.0	~	0.0	0.0	~
n-dodecane	0.0		~	0.0	68.4	100	4.7	0.0	0.0
n-tridecane	0.0		~	0.0	0.0	~	0.0	0.0	~
methylnaphthalene	0.0		~	0.0	0.0	~	0.0	0.0	~
n-tetradecane	0.0		~	0.0	0.0	~	22.0	0.0	0.0
n-pentadecane	19.9		~	29.6	0.0	0.0	0.0	0.0	~
C-6 to C-7	21.0		~	0.0	435	100	149	41.1	21.7
C-7 to C-8	17.8		~	0.0	1,192	100	171	154	47.5
C-8 to C-9	54.7	broken	~	154	1180	88.5	868	277	24.2
C-9 to C-10	404	tube	~	308	898	74.4	3452	119	3.3
C-10 to C-11	47.0		~	24.6	352	93.5	66.5	487	88.0
C-11 to C-12	11.3		~	56.8	231	80.3	65.9	0.0	0.0
C-12 to C-13	0.0		~	10.9	69.8	86.5	60.2	0.0	0.0
C-13 to C-14	0.0		~	0.0	0.0	~	37.8	0.0	0.0
C-14 to C-15	18.2		~	0.0	0.0	~	46.1	0.0	0.0
>C-15	0.0		~	29.6	0.0	0.0	0.0	0.0	~
Total TPH	574			584	4,358	88.2	4,915	1079	18.0

Test 9 Sorbent Tube Breakthrough Results - Air Injection, FEW(4/93)

Compound	MP30-2nf MP30-2nfbt			MP30-1 MP30-1bt			MP30-2 MP30-2bt		
	2496	2500	BT	2495	2499	BT	2497	2501	BT
	Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)		Mass (ng)	Mass (ng)	
benzene	286	3.8	1.3	48.5	10.0	17.1	35.5	0.0	0.0
n-heptane	187	52.3	21.9	248	0.0	0.0	157	0.0	0.0
toluene	732	10.0	1.3	114.9	0.0	0.0	79.6	0.0	0.0
n-octane	141	0.0	0.0	23.6	0.0	0.0	0.0	0.0	-
ethylbenzene	1114	2.6	0.2	140	46.6	25.0	95.1	0.0	0.0
p-xylene	965	8.9	0.9	193.3	1.7	0.9	101	0.0	0.0
n-nonane	180	10.1	5.3	29.4	7.3	20.0	19.6	0.0	0.0
n-propylbenzene	148	2.0	1.3	14.2	2.5	14.9	9.9	0.0	0.0
n-decane	112	33	22.7	27.0	277	91.1	120	0.0	0.0
n-butylbenzene	77.7	3.0	3.7	27.1	1.5	5.3	6.9	0.0	0.0
n-undecane	29.3	0.0	0.0	39.4	8.6	17.9	23.4	0.0	0.0
naphthalene	194	0.0	0.0	0.0	0.0	-	13.8	0.0	0.0
n-dodecane	0.0	0.0	-	0.0	1.6	100.0	7.0	0.0	0.0
n-tridecane	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
methylnaphthalene	12.5	0.0	0.0	0.0	0.0	-	0.0	0.0	-
n-tetradecane	7.7	0.0	0.0	0.0	2.0	100.0	0.0	0.0	-
n-pentadecane	11.9	0.0	0.0	0.0	0.0	-	0.0	0.0	-
C-6 to C-7	1,384	4.1	0.3	57.3	11.0	16.0	42.0	0.0	0.0
C-7 to C-8	1,030	50.4	4.7	358	0.0	0.0	234	30.1	11.4
C-8 to C-9	3503	21.6	0.6	518	46.0	8.2	290	153.0	34.6
C-9 to C-10	1032	2.0	0.2	485	2.5	0.5	29.0	376.8	92.9
C-10 to C-11	715	35.4	4.7	63.9	274	81.1	149	3.7	2.4
C-11 to C-12	244	10.4	4.1	39.4	16.1	29.1	36.3	4.5	11.1
C-12 to C-13	0.0	0.0	-	0.0	1.7	100	7.1	0.0	0.0
C-13 to C-14	10.8	0.0	0.0	0.0	2.0	100	0.0	0.0	-
C-14 to C-15	8.4	0.0	0.0	0.0	0.0	-	0.0	3.1	100
>C-15	110	0.0	-	0.0	0.0	-	0.0	0.0	-
Total TPH	8,038	124	1.5	1,522	353	18.8	787	571	42.1

Total Hydrocarbon Results - FE Warren AFB Tenax Samples (7/94)

Sample Number	Sample Date	Sample Location	Injection Flowrate (cfm)	Mass C-5 to C-15 (ng)	Mass C-6 (ng)	Blank-Corr. Mass C-15 (ng)	Blank-Corr. Mass C-6 (ng)	Flux Rate C-5 to C-15 (g/m <sup>2</sup> -s)	Flux Rate C-6 (g/m <sup>2</sup> -s)
5378	7/7/94			1664	1755	317	335	2.66E-08	2.80E-08
5379	7/7/94	MP26	1-2 cfm	1643	1733	297	313	2.48E-08	2.62E-08
5380	7/7/94			5873	6196	4527	4776	4.71E-07	4.97E-07
5381	7/7/94			423	446	0.00	0.00	0.00E+00	0.00E+00
5396	7/8/94			208	219	0.00	0.00	0.00E+00	0.00E+00
5397	7/8/94	MP26	0 cfm	2481	2618	1135	1197	1.16E-07	1.22E-07
5398	7/8/94			801	845	0.00	0.00	0.00E+00	0.00E+00
5400	7/8/94			2756	2908	1410	1487	4.50E-07	4.74E-07
5385	7/7/94			978	1032	0.00	0.00	0.00E+00	0.00E+00
5386	7/7/94			4520	4769	3174	3349	3.09E-07	3.26E-07
5387	7/7/94	MP28	1-2 cfm	4657	4913	3311	3493	2.60E-07	2.74E-07
5388	7/7/94			5616	5925	4270	4504	3.35E-07	3.53E-07
5389	7/8/94			1140	1202	0.00	0.00	0.00E+00	0.00E+00
5390	7/8/94			7994	8434	6648	7013	5.56E-07	5.87E-07
5391	7/8/94	MP29	0 cfm	512	541	0.00	0.00	0.00E+00	0.00E+00
5392	7/8/94			299	316	0.00	0.00	0.00E+00	0.00E+00
5406	7/10/94			906	956	0.00	0.00	0.00E+00	0.00E+00
5407	7/10/94			708	746	0.00	0.00	0.00E+00	0.00E+00
5408	7/10/94	MP29	32 cfm	513	541	0.00	0.00	0.00E+00	0.00E+00
5409	7/10/94			1365	1440	19	20	5.83E-09	6.15E-09
5428	7/11/94			115	121	0.00	0.00	0.00E+00	0.00E+00
5429	7/11/94			0.00	0.00	0.00	0.00	0.00E+00	0.00E+00
5430	7/11/94	MP29	50 cfm	9	9	0.00	0.00	0.00E+00	0.00E+00
5431	7/11/94			998	1053	0.00	0.00	0.00E+00	0.00E+00
5399	7/10/94			1462	1542	115	122	9.60E-09	1.01E-08
5401	7/10/04			377	398	0.00	0.00	0.00E+00	0.00E+00
5402	7/10/04	TC1	32 cfm	1835	1936	489	516	9.47E-08	9.99E-08
5403	7/10/04			1563	1649	217	229	4.19E-08	4.43E-08
5424	7/11/94			1003	1058	0.00	0.00	0.00E+00	0.00E+00
5425	7/11/94			1888	1992	542	572	1.21E-07	1.28E-07
5426	7/11/94	TC1	50 cfm	798	842	0.00	0.00	0.00E+00	0.00E+00
5427	7/11/94			600	633	0.00	0.00	0.00E+00	0.00E+00
5434	7/11/94			1599	1687	253	267	5.67E-08	5.98E-08
5435	7/11/94			830	876	0.00	0.00	0.00E+00	0.00E+00
5436	7/11/94	TC1	50 cfm	614	648	0.00	0.00	0.00E+00	0.00E+00
5437	7/11/94			274	289	0.00	0.00	0.00E+00	0.00E+00

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2470				MP11-1 NF				4/23/93	17:31
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Heptane	32.1	3.43E-04	3.43E-09	<C-6	0.0	0.00E+00	0.00E+00		
Toluene	10.4	1.11E-04	1.11E-09	C-6 to C-7	0.0	0.00E+00	0.00E+00		
Ethylbenzene	22.9	2.45E-04	2.45E-09	C-7 to C-8	45.4	4.84E-04	4.84E-09		
p-Xylene	108	1.15E-03	1.15E-08	C-8 to C-9	138	1.47E-03	1.47E-08		
n-Decane	486	5.19E-03	5.19E-08	C-9 to C-10	0.0	0.00E+00	0.00E+00		
				C-10 to C-11	489	5.22E-03	5.22E-08		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		
Tenax-2471				MP11-1				4/24/93	11:35
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Heptane	196	2.09E-03	2.09E-08	<C-6	0	0.00E+00	0.00E+00		
Toluene	55	5.83E-04	5.83E-09	C-6 to C-7	0	0.00E+00	0.00E+00		
Ethylbenzene	74.4	7.94E-04	7.94E-09	C-7 to C-8	243	3.32E-03	3.32E-08		
p-Xylene	72	7.65E-04	7.65E-09	C-8 to C-9	239	3.26E-03	3.26E-08		
n-Decane	99	1.06E-03	1.06E-08	C-9 to C-10	98.9	1.35E-03	1.35E-08		
n-Undecane	26	2.76E-04	2.76E-09	C-10 to C-11	46.4	6.32E-04	6.32E-09		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2472

MP11-2 NF

4/23/93

17:31

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
				<C-6	0.0	0.00E+00	0.00E+00
				C-6 to C-7	0.0	0.00E+00	0.00E+00
p-Xylene	40.8	4.85E-04	4.85E-09	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-Decane	342	4.06E-03	4.06E-08	C-8 to C-9	43.1	5.13E-04	5.13E-09
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	343	4.08E-03	4.08E-08
				C-11 to C-12	9.9	1.18E-04	1.18E-09
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

Tenax-2473

MP11-2

4/24/93

11:35

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	13.1	2.01E-04	2.01E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	3221	4.94E-02	4.94E-07	C-6 to C-7	38.0	5.83E-04	5.83E-09
Toluene	90.9	1.39E-03	1.39E-08	C-7 to C-8	3,128	4.80E-02	4.80E-07
Ethylbenzene	126	1.93E-03	1.93E-08	C-8 to C-9	379	5.82E-03	5.82E-08
p-Xylene	124	1.91E-03	1.91E-08	C-9 to C-10	170	2.61E-03	2.61E-08
Propylbenzene	36.8	5.64E-04	5.64E-09	C-10 to C-11	81.0	1.24E-03	1.24E-08
n-Decane	12.4	1.90E-04	1.90E-09	C-11 to C-12	24.6	3.77E-04	3.77E-09
Butylbenzene	46.3	7.18E-04	7.18E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Undecane	3.8	5.88E-05	5.88E-10	C-13 to C-14	0.0	0.00E+00	0.00E+00
Naphthalene	22.2	3.41E-04	3.41E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2474				MP11-1BTNF				4/24/93	17:31
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	86.7	9.25E-04	9.25E-09	<C-6	0.0	0.00E+00	0.00E+00		
n-Heptane	460	4.91E-03	4.91E-08	C-6 to C-7	102	1.09E-03	1.09E-08		
Toluene	174	1.86E-03	1.86E-08	C-7 to C-8	643	6.86E-03	6.86E-08		
n-Octane	20.5	2.19E-04	2.19E-09	C-8 to C-9	1,009	1.08E-02	1.08E-07		
Ethylbenzene	285	3.05E-03	3.05E-08	C-9 to C-10	697	7.44E-03	7.44E-08		
p-Xylene	348	3.71E-03	3.71E-08	C-10 to C-11	114	1.22E-03	1.22E-08		
n-Nonane	25.4	2.71E-04	2.71E-09	C-11 to C-12	26.6	2.84E-04	2.84E-09		
n-Propylbenzene	47.1	5.03E-04	5.03E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00		
n-Decane	16.8	1.79E-04	1.79E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00		
n-Butylbenzene	83.6	8.93E-04	8.93E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00		
Naphthalene	28.5	3.05E-04	3.05E-09	>C-15	0.0	0.00E+00	0.00E+00		
Tenax-2476				MP11-2BT				4/24/93	11:35
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Heptane	104	1.24E-03	1.24E-08	<C-6	0	0.00E+00	0.00E+00		
Toluene	30.5	3.62E-04	3.62E-09	C-6 to C-7	0	0.00E+00	0.00E+00		
Ethylbenzene	42.2	5.02E-04	5.02E-09	C-7 to C-8	131	1.56E-03	1.56E-08		
p-Xylene	153	1.82E-03	1.82E-08	C-8 to C-9	254	3.02E-03	3.02E-08		
n-Undecane	22.1	2.62E-04	2.62E-09	C-9 to C-10	856	1.02E-02	1.02E-07		
n-Tetradecane	9.0	1.07E-04	1.07E-09	C-10 to C-11	20.8	2.47E-04	2.47E-09		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	9.7	1.16E-04	1.16E-09		
				>C-15	0.0	0.00E+00	0.00E+00		



F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2477				MP11-2BT				4/24/93	11:35
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	23.5	3.60E-04	3.60E-09	<C-6	0.0	0.00E+00	0.00E+00		
n-Heptane	17.0	2.61E-04	2.61E-09	C-6 to C-7	132	2.03E-03	2.03E-08		
n-Octane	51.4	7.88E-04	7.88E-09	C-7 to C-8	31.1	4.77E-04	4.77E-09		
n-Propylbenzene	117.4	1.80E-03	1.80E-08	C-8 to C-9	228	3.50E-03	3.50E-08		
n-Decane	29.3	4.49E-04	4.49E-09	C-9 to C-10	791	1.21E-02	1.21E-07		
n-Butylbenzene	68.2	1.05E-03	1.05E-08	C-10 to C-11	121	1.85E-03	1.85E-08		
n-Undecane	32.2	4.94E-04	4.94E-09	C-11 to C-12	67.7	1.04E-03	1.04E-08		
n-Pentadecane	454	6.96E-03	6.96E-08	C-12 to C-13	16.0	2.45E-04	2.45E-09		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	415	6.37E-03	6.37E-08		
				>C-15	0.0	0.00E+00	0.00E+00		
Tenax-2478				MP17-1				4/24/93	11:35
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	776	9.22E-03	9.22E-08	<C-6	0.0	0.00E+00	0.00E+00		
n-Nonane	11.4	1.35E-04	1.35E-09	C-6 to C-7	917	1.09E-02	1.09E-07		
n-Propylbenzene	1,069	1.27E-02	1.27E-07	C-7 to C-8	102	1.21E-03	1.21E-08		
n-Pentadecane	238.3	2.83E-03	2.83E-08	C-8 to C-9	414	4.92E-03	4.92E-08		
				C-9 to C-10	1203	1.43E-02	1.43E-07		
				C-10 to C-11	0.0	0.00E+00	0.00E+00		
				C-11 to C-12	33.3	3.95E-04	3.95E-09		
				C-12 to C-13	15.9	1.89E-04	1.89E-09		
				C-13 to C-14	13.0	1.54E-04	1.54E-09		
				C-14 to C-15	34.4	4.09E-04	4.09E-09		
				>C-15	238	2.83E-03	2.83E-08		

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2479

MP17-1

4/24/93

11:07

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	13.2	1.47E-04	1.47E-09	<C-6	0	0.00E+00	0.00E+00
n-Propylbenzene	114	1.27E-03	1.27E-08	C-6 to C-7	37.7	4.21E-04	4.21E-09
n-Decane	6.5	7.23E-05	7.23E-10	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-Butylbenzene	22.8	2.54E-04	2.54E-09	C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	121	1.35E-03	1.35E-08
				C-10 to C-11	43.8	4.88E-04	4.88E-09
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

Tenax-2499

MP30-1BT

4/24/93

12:15

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
benzene	10.0	1.12E-04	1.12E-09	<C-6	0.0	0.00E+00	0.00E+00
ethylbenzene	46.6	5.19E-04	5.19E-09	C-6 to C-7	11.0	1.22E-04	1.22E-09
p-xylene	1.7	1.90E-05	1.90E-10	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-nonane	7.3	8.18E-05	8.18E-10	C-8 to C-9	46.0	5.13E-04	5.13E-09
n-propylbenzene	2.5	2.78E-05	2.78E-10	C-9 to C-10	2.5	2.79E-05	2.79E-10
n-decane	277	3.09E-03	3.09E-08	C-10 to C-11	274	3.05E-03	3.05E-08
n-butylbenzene	1.5	1.69E-05	1.69E-10	C-11 to C-12	16.1	1.80E-04	1.80E-09
n-undecane	8.6	9.56E-05	9.56E-10	C-12 to C-13	1.7	1.84E-05	1.84E-10
n-dodecane	1.6	1.83E-05	1.83E-10	C-13 to C-14	2.0	2.24E-05	2.24E-10
n-tetradecane	2.0	2.24E-05	2.24E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2480

MP17-2NF

4/23/93

5:11

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Ethylbenzene	31.0	3.31E-04	3.31E-09	<C-6	0	0.00E+00	0.00E+00
n-Propylbenze	455	4.86E-03	4.86E-08	C-6 to C-7	0	0.00E+00	0.00E+00
n-Butylbenzen	21.1	2.25E-04	2.25E-09	C-7 to C-8	27.2	2.90E-04	2.90E-09
n-Tetradecane	13.2	1.41E-04	1.41E-09	C-8 to C-9	221	2.36E-03	2.36E-08
n-Pentadecane	25.1	2.68E-04	2.68E-09	C-9 to C-10	501	5.35E-03	5.35E-08
				C-10 to C-11	22.3	2.38E-04	2.38E-09
				C-11 to C-12	17.4	1.86E-04	1.86E-09
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	13.4	1.43E-04	1.43E-09
				C-14 to C-15	23.0	2.45E-04	2.45E-09
				>C-15	0.0	0.00E+00	0.00E+00

Tenax-2481

MP17-2

4/24/93

11:07

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	17.7	2.72E-04	2.72E-09	<C-6	0	0.00E+00	0.00E+00
n-Propylbenze	366	5.62E-03	5.62E-08	C-6 to C-7	21.0	3.22E-04	3.22E-09
n-Decane	7.0	1.07E-04	1.07E-09	C-7 to C-8	17.8	2.73E-04	2.73E-09
n-Butylbenzen	37.9	5.81E-04	5.81E-09	C-8 to C-9	54.7	8.38E-04	8.38E-09
n-Pentadecane	19.9	3.05E-04	3.05E-09	C-9 to C-10	404	6.19E-03	6.19E-08
				C-10 to C-11	47.0	7.20E-04	7.20E-09
				C-11 to C-12	11.3	1.74E-04	1.74E-09
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	18.2	2.79E-04	2.79E-09
				>C-15	0.0	0.00E+00	0.00E+00

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2482

MP17-1BTNF

4/23/93

5:11

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Ethylbenzene	10.8	1.28E-04	1.28E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Propylbenzene	1197	1.42E-02	1.42E-07	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Butylbenzene	23.1	2.75E-04	2.75E-09	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-Tetradecane	5.2	6.21E-05	6.21E-10	C-8 to C-9	11	1.30E-04	1.30E-09
				C-9 to C-10	1280	1.52E-02	1.52E-07
				C-10 to C-11	24.4	2.90E-04	2.90E-09
				C-11 to C-12	28.1	3.34E-04	3.34E-09
				C-12 to C-13	11.3	1.34E-04	1.34E-09
				C-13 to C-14	13.1	1.56E-04	1.56E-09
				C-14 to C-15	22.6	2.69E-04	2.69E-09
				>C-15	0.0	0.00E+00	0.00E+00

Tenax-2483

MP17-1BT

4/24/93

11:07

Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	303	3.38E-03	3.38E-08	<C-6	0.0	0.00E+00	0.00E+00
Toluene	8	9.10E-05	9.10E-10	C-6 to C-7	358	3.99E-03	3.99E-08
Ethylbenzene	132	1.47E-03	1.47E-08	C-7 to C-8	93.9	1.05E-03	1.05E-08
p-Xylene	11	1.27E-04	1.27E-09	C-8 to C-9	346	3.86E-03	3.86E-08
n-Nonane	16	1.77E-04	1.77E-09	C-9 to C-10	160	1.79E-03	1.79E-08
n-Propylbenzene	96.4	1.07E-03	1.07E-08	C-10 to C-11	22.6	2.52E-04	2.52E-09
n-Decane	6.3	7.06E-05	7.06E-10	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Butylbenzene	15.4	1.71E-04	1.71E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2484				MP117-2BTNF			
				4/23/93 5:11			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Ethylbenzene	54.2	5.79E-04	5.79E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Propylbenzene	516	5.51E-03	5.51E-08	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Decane	21.5	2.30E-04	2.30E-09	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-Butylbenzene	57.2	6.11E-04	6.11E-09	C-8 to C-9	55.1	5.88E-04	5.88E-09
n-Tetradecane	10.1	1.07E-04	1.07E-09	C-9 to C-10	576	6.15E-03	6.15E-08
				C-10 to C-11	82.0	8.75E-04	8.75E-09
				C-11 to C-12	22.2	2.37E-04	2.37E-09
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	10.9	1.16E-04	1.16E-09
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-2486				MP28-1NF			
				4/23/93 4:28			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Ethylbenzene	140	1.49E-03	1.49E-08	<C-6	0.0	0.00E+00	0.00E+00
p-Xylene	11.3	1.20E-04	1.20E-09	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Nonane	13.2	1.41E-04	1.41E-09	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-Propylbenzene	191	2.04E-03	2.04E-08	C-8 to C-9	154	1.64E-03	1.64E-08
n-Butylbenzene	23.3	2.49E-04	2.49E-09	C-9 to C-10	308	3.29E-03	3.29E-08
n-Pentadecane	29.6	3.16E-04	3.16E-09	C-10 to C-11	24.6	2.62E-04	2.62E-09
				C-11 to C-12	56.8	6.06E-04	6.06E-09
				C-12 to C-13	10.9	1.16E-04	1.16E-09
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	29.6	3.16E-04	3.16E-09

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2488				MP28-2NF				4/23/93	4:28
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	126	1.49E-03	1.49E-08	<C-6	0	0.00E+00	0.00E+00		
Toluene	10.7	1.28E-04	1.28E-09	C-6 to C-7	149	1.77E-03	1.77E-08		
p-Xylene	15.1	1.80E-04	1.80E-09	C-7 to C-8	171	2.03E-03	2.03E-08		
n-Propylbenzene	3,091	3.67E-02	3.67E-07	C-8 to C-9	868	1.03E-02	1.03E-07		
n-Decane	25.7	3.06E-04	3.06E-09	C-9 to C-10	3452	4.10E-02	4.10E-07		
n-Undecane	7.6	9.01E-05	9.01E-10	C-10 to C-11	66.5	7.90E-04	7.90E-09		
n-Dodecane	4.7	5.54E-05	5.54E-10	C-11 to C-12	65.9	7.83E-04	7.83E-09		
n-Tetradecane	22.0	2.61E-04	2.61E-09	C-12 to C-13	60.2	7.16E-04	7.16E-09		
				C-13 to C-14	37.8	4.49E-04	4.49E-09		
				C-14 to C-15	46.1	5.48E-04	5.48E-09		
				>C-15	0.0	0.00E+00	0.00E+00		
Tenax-2490				MP28-1BTNF				4/23/93	4:28
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	200	2.13E-03	2.13E-08	<C-6	0	0.00E+00	0.00E+00		
n-Heptane	824	8.80E-03	8.80E-08	C-6 to C-7	435	4.65E-03	4.65E-08		
n-Octane	24.7	2.63E-04	2.63E-09	C-7 to C-8	1,192	1.27E-02	1.27E-07		
p-Xylene	534	5.70E-03	5.70E-08	C-8 to C-9	1180	1.26E-02	1.26E-07		
n-Nonane	615	6.57E-03	6.57E-08	C-9 to C-10	898	9.58E-03	9.58E-08		
n-Propylbenzene	22.5	2.40E-04	2.40E-09	C-10 to C-11	352	3.76E-03	3.76E-08		
n-Decane	281	3.00E-03	3.00E-08	C-11 to C-12	231	2.47E-03	2.47E-08		
n-Butylbenzene	22.3	2.38E-04	2.38E-09	C-12 to C-13	69.8	7.45E-04	7.45E-09		
n-Dodecane	68.4	7.30E-04	7.30E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2491		MP28-1BT		4/24/93	12:40		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Heptane	87.1	9.71E-04	9.71E-09	<C-6	0.0	0.00E+00	0.00E+00
p-Xylene	52.3	5.83E-04	5.83E-09	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Nonane	51	5.69E-04	5.69E-09	C-7 to C-8	136	1.51E-03	1.51E-08
n-Decane	251	2.80E-03	2.80E-08	C-8 to C-9	133	1.48E-03	1.48E-08
n-Undecane	24.8	2.76E-04	2.76E-09	C-9 to C-10	75.3	8.39E-04	8.39E-09
				C-10 to C-11	252	2.81E-03	2.81E-08
				C-11 to C-12	24.7	2.76E-04	2.76E-09
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-2492		MP28-2BTNF		4/23/93	4:28		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	34.8	4.14E-04	4.14E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	46.3	5.50E-04	5.50E-09	C-6 to C-7	41.1	4.89E-04	4.89E-09
p-Xylene	110	1.31E-03	1.31E-08	C-7 to C-8	154	1.84E-03	1.84E-08
n-Nonane	77.1	9.16E-04	9.16E-09	C-8 to C-9	277	3.29E-03	3.29E-08
n-Decane	447	5.32E-03	5.32E-08	C-9 to C-10	119	1.42E-03	1.42E-08
n-Butylbenzene	32.2	3.82E-04	3.82E-09	C-10 to C-11	487	5.78E-03	5.78E-08
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

F.E. WARREN AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2493				MP28-2BT				4/24/93	12:40
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Toluene	5.2	7.90E-05	7.90E-10	<C-6	0.0	0.00E+00	0.00E+00		
p-Xylene	168	2.58E-03	2.58E-08	C-6 to C-7	0.0	0.00E+00	0.00E+00		
n-Decane	1120	1.72E-02	1.72E-07	C-7 to C-8	9.3	1.43E-04	1.43E-09		
1-Methylnaphthalene	11.6	1.78E-04	1.78E-09	C-8 to C-9	178	2.73E-03	2.73E-08		
n-Tetradecane	16.9	2.59E-04	2.59E-09	C-9 to C-10	0.0	0.00E+00	0.00E+00		
				C-10 to C-11	1,125	1.73E-02	1.73E-07		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	10.0	1.53E-04	1.53E-09		
				C-14 to C-15	18.3	2.81E-04	2.81E-09		
				>C-15	0.0	0.00E+00	0.00E+00		
Tenax-2494				MP30-1NF				4/23/93	4:49
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	71.2	8.46E-04	8.46E-09	<C-6	0.0	0.00E+00	0.00E+00		
n-Heptane	402	4.77E-03	4.77E-08	C-6 to C-7	84.1	1.00E-03	1.00E-08		
Toluene	282	3.35E-03	3.35E-08	C-7 to C-8	774	9.19E-03	9.19E-08		
n-Octane	45.4	5.40E-04	5.40E-09	C-8 to C-9	1191	1.42E-02	1.42E-07		
p-Xylene	568.8	6.76E-03	6.76E-08	C-9 to C-10	41.1	4.89E-04	4.89E-09		
n-Nonane	43.7	5.19E-04	5.19E-09	C-10 to C-11	316	3.75E-03	3.75E-08		
n-Decane	222	2.64E-03	2.64E-08	C-11 to C-12	22.2	2.64E-04	2.64E-09		
n-Butylbenzene	53.2	6.32E-04	6.32E-09	C-12 to C-13	11.8	1.40E-04	1.40E-09		
Naphthalene	23.8	2.82E-04	2.82E-09	C-13 to C-14	10.8	1.29E-04	1.29E-09		
n-Dodecane	11.5	1.37E-04	1.37E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		



F. E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2495				MP30-1				4/24/93	12:15
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	48.5	5.40E-04	5.40E-09	<C-6	0.0	0.00E+00	0.00E+00		
n-Heptane	248	2.77E-03	2.77E-08	C-6 to C-7	57.3	6.38E-04	6.38E-09		
Toluene	114.9	1.28E-03	1.28E-08	C-7 to C-8	358	3.99E-03	3.99E-08		
n-Octane	23.6	2.63E-04	2.63E-09	C-8 to C-9	518	5.77E-03	5.77E-08		
Ethylbenzene	140	1.56E-03	1.56E-08	C-9 to C-10	485	5.41E-03	5.41E-08		
p-Xylene	193.3	2.15E-03	2.15E-08	C-10 to C-11	63.9	7.12E-04	7.12E-09		
n-Nonane	29.4	3.27E-04	3.27E-09	C-11 to C-12	39.4	4.39E-04	4.39E-09		
n-Propylbenzene	14.2	1.58E-04	1.58E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00		
n-Decane	27.0	3.01E-04	3.01E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00		
n-Butylbenzene	27.1	3.02E-04	3.02E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00		
n-Undecane	39.4	4.39E-04	4.39E-09	>C-15	0.0	0.00E+00	0.00E+00		
Tenax-2496				MP30-2NF				4/23/93	4:49
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
Benzene	286	3.40E-03	3.40E-08	<C-6	0	0.00E+00	0.00E+00		
n-Heptane	187	2.22E-03	2.22E-08	C-6 to C-7	1,384	1.65E-02	1.65E-07		
Toluene	732	8.70E-03	8.70E-08	C-7 to C-8	1,030	1.22E-02	1.22E-07		
n-Octane	141	1.68E-03	1.68E-08	C-8 to C-9	3503	4.16E-02	4.16E-07		
Ethylbenzene	1114	1.32E-02	1.32E-07	C-9 to C-10	1032	1.23E-02	1.23E-07		
p-Xylene	965	1.15E-02	1.15E-07	C-10 to C-11	715	8.50E-03	8.50E-08		
n-Nonane	180	2.14E-03	2.14E-08	C-11 to C-12	244	2.90E-03	2.90E-08		
n-Propylbenzene	148	1.76E-03	1.76E-08	C-12 to C-13	0.0	0.00E+00	0.00E+00		
n-Decane	112	1.33E-03	1.33E-08	C-13 to C-14	10.8	1.29E-04	1.29E-09		
n-Butylbenzene	77.7	9.23E-04	9.23E-09	C-14 to C-15	8.4	9.97E-05	9.97E-10		
n-Undecane	29.3	3.49E-04	3.49E-09	>C-15	110	1.31E-03	1.31E-08		
Naphthalene	194	2.31E-03	2.31E-08						
1-Methylnaphthalene	12.5	1.49E-04	1.49E-09						
n-Tetradecane	7.7	9.20E-05	9.20E-10						
n-Pentadecane	11.9	1.41E-04	1.3249E-09						

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2497				MP30-2	4/24/93	12:15		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	
Benzene	35.5	5.45E-04	5.45E-09	<C-6	0.0	0.00E+00	0.00E+00	
n-Heptane	157	2.40E-03	2.40E-08	C-6 to C-7	42.0	6.44E-04	6.44E-09	
Toluene	79.6	1.22E-03	1.22E-08	C-7 to C-8	234	3.58E-03	3.58E-08	
Ethylbenzene	95.1	1.46E-03	1.46E-08	C-8 to C-9	290	4.44E-03	4.44E-08	
p-Xylene	101	1.55E-03	1.55E-08	C-9 to C-10	29.0	4.44E-04	4.44E-09	
n-Nonane	19.6	3.00E-04	3.00E-09	C-10 to C-11	149	2.29E-03	2.29E-08	
n-Propylbenzene	9.9	1.52E-04	1.52E-09	C-11 to C-12	36.3	5.56E-04	5.56E-09	
n-Decane	120	1.83E-03	1.83E-08	C-12 to C-13	7.1	1.09E-04	1.09E-09	
n-Butylbenzene	6.9	1.06E-04	1.06E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00	
n-Undecane	23.4	3.59E-04	3.59E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00	
Naphthalene	13.8	2.12E-04	2.12E-09	>C-15	0.0	0.00E+00	0.00E+00	
n-Dodecane	7.0	1.07E-04	1.07E-09					
Tenax-2498				MP30-1BTNF	4/23/93	4:49		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	
n-Heptane	49.5	5.29E-04	5.29E-09	<C-6	0.0	0.00E+00	0.00E+00	
Toluene	15.1	1.61E-04	1.61E-09	C-6 to C-7	0.0	0.00E+00	0.00E+00	
Ethylbenzene	19.4	2.07E-04	2.07E-09	C-7 to C-8	62.9	6.72E-04	6.72E-09	
p-Xylene	9.3	9.88E-05	9.88E-10	C-8 to C-9	29.5	3.14E-04	3.14E-09	
				C-9 to C-10	0.0	0.00E+00	0.00E+00	
				C-10 to C-11	0.0	0.00E+00	0.00E+00	
				C-11 to C-12	0.0	0.00E+00	0.00E+00	
				C-12 to C-13	0.0	0.00E+00	0.00E+00	
				C-13 to C-14	0.0	0.00E+00	0.00E+00	
				C-14 to C-15	0.0	0.00E+00	0.00E+00	
				>C-15	0.0	0.00E+00	0.00E+00	

F.E. Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax-2500				MP30-2BT				4/23/93	4:49
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
benzene	3.8	4.46E-05	4.46E-10	<C-6	0	0.00E+00	0.00E+00		
n-heptane	52.3	6.21E-04	6.21E-09	C-6 to C-7	4.1	4.87E-05	4.87E-10		
toluene	10	1.19E-04	1.19E-09	C-7 to C-8	50.4	5.99E-04	5.99E-09		
ethylbenzene	2.6	3.07E-05	3.07E-10	C-8 to C-9	21.6	2.57E-04	2.57E-09		
p-xylene	8.9	1.06E-04	1.06E-09	C-9 to C-10	2.0	2.38E-05	2.38E-10		
n-nonane	10.1	1.20E-04	1.20E-09	C-10 to C-11	35.4	4.21E-04	4.21E-09		
n-propylbenzene	2.0	2.37E-05	2.37E-10	C-11 to C-12	10.4	1.24E-04	1.24E-09		
n-decane	33	3.91E-04	3.91E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00		
n-butylbenzene	3.0	3.52E-05	3.52E-10	C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		
Tenax-2501				MP30-2BT				4/24/93	12:15
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
toluene	29.5	4.53E-04	4.53E-09	<C-6	0.0	0.00E+00			
ethylbenzene	27.6	4.23E-04	4.23E-09	C-6 to C-7	0.0	0.00E+00	0.00E+00		
p-xylene	90.2	1.38E-03	1.38E-08	C-7 to C-8	30.1	4.62E-04	4.62E-09		
n-nonane	4.4	6.73E-05	6.73E-10	C-8 to C-9	153.0	2.35E-03	2.35E-08		
n-propylbenzene	376.2	5.77E-03	5.77E-08	C-9 to C-10	376.8	5.78E-03	5.78E-08		
n-decane	3.8	5.82E-05	5.82E-10	C-10 to C-11	3.7	5.71E-05	5.71E-10		
n-tetradecane	3.0	4.62E-05	4.62E-10	C-11 to C-12	4.5	6.93E-05	6.93E-10		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	3.1	4.69E-05	4.69E-10		
				>C-15	0.0	0.00E+00	0.00E+00		

F.E. Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax-2502		Opened Field Blank		4/23/93	5:11		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Decane	163	0.00E+00	0.00E+00	<C-6	0.0	0.00E+00	0.00E+00
				C-6 to C-7	0.0	0.00E+00	0.00E+00
				C-7 to C-8	0.0	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	160	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-2507		Trip BLK		4/24/93	12:15		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-methylbutane	232	0.00E+00	0.00E+00	<C-6	0.0		
2-methylpentane	8.3	0.00E+00	0.00E+00	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-hexane	10.8	0.00E+00	0.00E+00	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-propylbenzene	1.4	0.00E+00	0.00E+00	C-8 to C-9	0.0	0.00E+00	0.00E+00
n-decane	1.1	0.00E+00	0.00E+00	C-9 to C-10	1.4	0.00E+00	0.00E+00
				C-10 to C-11	1.1	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-2509		Trip BLK		4/24/93	21:38		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylpentane	0	0.00E+00	0.00E+00	<C-6	0.52		
n-Hexane	214	0.00E+00	0.00E+00	C-6 to C-7	204	0.00E+00	0.00E+00
				C-7 to C-8	0.0	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

Total Surface Emission Flux Rate Data, FEW (9/93)

Sample Name	UWRL Log No.	Sample Date	Injection Flow (cfm)	Mass(C6) (ug)	Corrected Mass (ng)	Total Flux (ug/cm^2-s)	Total Flux (g/m^2-s)	Total Flux (g/m^2-day)
FC 11-1-1	3387	9/22/93	1~2	137	0.0	0.00E+00	0.00E+00	0.000
FC11-1-BT	3388	9/22/93		1,246	0.0	0.00E+00	0.00E+00	0.000
FC11-1-NF	3384	9/22/93	0	768	0.0	0.00E+00	0.00E+00	0.000
FC11-1-BTNF	3390	9/22/93		71	0.0	0.00E+00	0.00E+00	0.000
FC 28-1-1	3379	9/22/93	1~2	484	0.0	0.00E+00	0.00E+00	0.000
FC 28-1-1BT	3380	9/22/93		1,014	0.0	0.00E+00	0.00E+00	0.000
FC 28-1-1NF	3394	9/22/93	0	26.4	0.0	0.00E+00	0.00E+00	0.000
FC 28-1-1BTNF	3395	9/22/93		2,232	911	1.59E-02	1.59E-07	0.014
FC 30-1-1	3381	9/22/93	1~2	837	0.0	0.00E+00	0.00E+00	0.000
FC 30-1-1BT	3382	9/22/93		640	0.0	0.00E+00	0.00E+00	0.000
FC 30-1-1NF	3396	9/22/93	0	1,224	0.0	0.00E+00	0.00E+00	0.000
FC 30-1-1BTNF	3397	9/22/93		674	0.0	0.00E+00	0.00E+00	0.000
FC 32-1-1	3383	9/22/93		1,692	370.5	6.46E-03	6.46E-08	0.006
FC 32-1-1BT	3389	9/22/93	1~2	2,232	911.1	1.59E-02	1.59E-07	0.014
FC 32-1-2	3385	9/22/93		864	0.0	0.00E+00	0.00E+00	0.000
FC 32-1-2BT	3386	9/22/93		242	0.0	0.00E+00	0.00E+00	0.000
FC 32-1-1NF	3391	9/22/93	0	460	0.0	0.00E+00	0.00E+00	0.000
FC 32-1-1NFBT	3392	9/22/93		1,383	61.5	1.07E-03	1.07E-08	0.001
FIELD BLANK	3393	9/22/93		2,364				
TRIP BLANK	3398	9/22/93		278				

Tenax® Sorbent Tube Breakthrough Results - Air Injection (93)

Compound	FC28-1-1 3379	FC28-1-1BT 3380	BT (%)	FC32-1-1 3383	FC32-1-1BT 3389	BT (%)	FC30-1-1 3381	FC30-1-1BT 3382	BT (%)
Benzene	48.0	24.8	34.0	192	364	65.5	0.0	82.1	100
n-Heptane	183	243	57.1	354	564	61.4	249	179	41.7
Toluene	47.6	128	72.9	171	262	60.6	88.7	75.7	46.1
n-Octane	26.7	60.1	69.3	86.9	128	59.5	48.7	33.7	40.9
Ethylbenzene	24.2	73.6	75.2	101	160	61.3	47.7	27.9	36.9
p-Xylene	52.8	127	70.6	192	301	61.1	109	81.4	42.7
Nonane	9.6	27.2	74.0	35.7	57.1	61.5	16.3	9.9	37.9
n-Propylbenzene	2.2	10	82.9	18.9	29.3	60.8	6.1	11.4	65.0
n-decane	12.8	9.3	42.1	27.9	24.1	46.3	12.9	7	36.3
n-Buthylbenzene	0.0	0.0	-	0.0	5.6	100	0.0	7.5	100
Undecane	9.4	5.4	36.2	0.0	22.3	100	0.0	7.6	100
n-Dodecane	10.4	11.2	51.9	0.0	0.0	-	0.0	0.0	-
n-tetradecane	0.0	0.0	-	0.0	0.0	-	20.0	0.0	0.0
C-6 to C-7	56.7	225	79.9	531	430	44.8	411	347	45.8
C-7 to C-8	233	385	62.3	548	868	61.3	115	82.3	41.7
C-8 to C-9	111	293	72.5	405	625	60.7	236	157	40.0
C-9 to C-10	14.0	17.9	56.2	65.4	104	61.4	15.2	12.1	44.3
C-10 to C-11	12.9	9.5	42.4	28.0	33.4	54.4	13.0	15.4	54.2
C-11 to C-12	9.4	7.7	45.1	0.0	22.3	100	0.0	7.6	100
C-12 to C-13	10.6	11.4	51.9	0.0	0.0	-	0.0	0.0	-
C-13 to C-14	0.0	0.0	-	0.0	0.0	-	20.2	0.0	0.0
C-14 to C-15	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
>C-15	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
Total (C-6)	448	950	67.9	1,577	2,083	56.9	810	621	43.4
Compound	FC11-1-INF 3384	FC11-1-1BTNF 3390	BT (%)	FC32-1-2 3385	FC32-1-2BT 3386	BT (%)	FC11-1-1 3387	FC11-1-1BT 3388	BT (%)
Benzene	1,122	0.0	0.0	76.8	33.4	30.3	21.7	155	87.7
n-Heptane	0.0	14.4	100.0	160	44.9	21.9	36.3	368	91.0
Toluene	0.0	2.3	100.0	75.2	40.2	34.8	21.2	111	84.0
n-Octane	0.0	0.0	-	36.4	15.1	29.2	9.5	73.3	88.5
Ethylbenzene	0.0	0.0	-	43.1	22.6	34.4	5.6	55.0	90.8
p-Xylene	0.0	0.0	-	79.2	27.2	25.6	7.5	160	95.5
Nonane	55.9	0.0	0.0	15.5	9.6	38.1	2.9	19.8	87.3
n-Propylbenzene	7.0	0.0	0.0	11.0	3.8	25.4	2.6	13.0	83.3
n-decane	11.5	2.2	16.1	14.2	3.6	20.3	6.6	19.9	75.1
n-Buthylbenzene	0.0	0.0	-	0.0	0.0	-	0.0	2.2	100
Undecane	0.0	4.1	100	0.0	8.6	100	0.0	0.0	-
n-Dodecane	7.9	9.6	55.0	0.0	8.3	100	0.0	0.0	-
n-Tridecane	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	-
1-Methlnaphthal	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	-
n-Tetradecane	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	-
C-6 to C-7	1433	0.0	0.0	241	86.7	26.5	25.7	261	91.0
C-7 to C-8	302	16.0	5.0	248	43.7	15.0	57.2	511	89.9
C-8 to C-9	204	0.0	0.0	163	75.6	31.6	29.0	297	91.1
C-9 to C-10	32.3	0.0	0.0	36.4	4.0	9.9	7.0	45.9	86.8
C-10 to C-11	11.6	2.2	16.1	14.3	3.6	20.3	8.8	33.8	79.4
C-11 to C-12	0.0	4.0	100	43.0	8.6	16.7	0.0	0.0	-
C-12 to C-13	8.0	9.8	55.0	0.0	8.4	100	0.0	0.0	-
C-13 to C-14	0.0	0.0	-	16.0	0.0	0.0	0.0	0.0	-
C-14 to C-15	58.4	41.7	41.7	71.6	0.0	0.0	0.0	18.8	100
>C-15	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
Total (C-6)	2,049	74	3.5	733	731	21.7	128	1,168	90.1

Tenax® Sorbent Tube Breakthrough Results - Air Injection (93)

Compound	FC32-1-INF 3391	FC32-1-IBTNF 3392	BT (%)	FC28-1-INF 3394	FC28-1-IBTNF 3395	BT (%)	FC 30-1-INF 3396	FC 30-1-IBTNF 3397	BT (%)
Benzene	0.0	37.2	100	0.0	197	100	141	78.0	35.6
n-Heptane	389	378	49.3	8.5	501	98.3	366	218	37.3
Toluene	5.4	120	95.7	0.0	235	100	108	58.9	35.2
n-Octane	0.0	78.2	100	0.0	119	100	71.3	37.6	34.6
Ethylbenzene	0.0	62.2	100	0.0	143	100	0.0	0.0	-
p-Xylene	0.0	178	100	0.0	291	100	165	84.8	34.0
Nonane	0.0	23.3	100	0.0	48.2	100	18.3	11.1	37.7
n-Propylbenzene	0.0	20	100	0.0	144	100	13.6	4.8	26.3
n-Decane	8.9	23.4	72.5	0.0	32.1	100	13.8	9.2	40.0
n-Buthylbenzene	0.0	3.0	100	0.0	31.1	100	4.9	0.0	0.0
Undecane	24.6	13.0	34.5	0.0	9.0	100	2.7	0.0	0.0
n-Dodecane	14.7	9.8	39.9	6.0	0.0	0.0	6.8	0.0	0.0
n-Tetradecane	0.0	0.0	-	0.0	6.4	100	0.0	0.0	-
n-Pentadecane	0.0	0.0	-	0.0	5.1	100	0.0	0.0	-
C-6 to C-7	0.0	283	100	6.4	283	97.8	253	126	33.4
C-7 to C-8	372	533	58.9	8.0	767	99.0	497	293	37.1
C-8 to C-9	0.0	341	100	0.0	607	100	300	157	34.3
C-9 to C-10	0.0	68.1	100	0.0	249	100	45.3	22.5	33.2
C-10 to C-11	8.9	44.3	83.2	0.0	92.5	100	39.0	18.2	31.8
C-11 to C-12	24.6	12.9	34.5	0.0	54.7	100	2.7	0.0	0.0
C-12 to C-13	15.0	10.0	39.9	6.1	0.0	0.0	6.9	0.0	0.0
C-13 to C-14	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
C-14 to C-15	0.0	0.0	-	5.5	17.0	75.5	0.0	14.0	100
>C-15	0.0	0.0	-	0.0	5.1	100	0.0	0.0	-
Total (C-6)	420	1,292	75.4	25.9	2,075	98.8	1,143	631	35.6

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3380				FC 28-1 Air On			
				9/22/93 10:50			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	24.8	4.32E-04	4.32E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	243	4.24E-03	4.24E-08	C-6 to C-7	225	3.93E-03	3.93E-08
Toluene	128	2.23E-03	2.23E-08	C-7 to C-8	385	6.71E-03	6.71E-08
n-Octane	60.1	1.05E-03	1.05E-08	C-8 to C-9	293	5.12E-03	5.12E-08
Ethylbenzene	73.6	1.28E-03	1.28E-08	C-9 to C-10	17.9	3.13E-04	3.13E-09
p-Xylene	127	2.21E-03	2.21E-08	C-10 to C-11	9.5	1.66E-04	1.66E-09
n-Nonane	27.2	4.74E-04	4.74E-09	C-11 to C-12	7.7	1.35E-04	1.35E-09
n-Propylbenzene	10.4	1.82E-04	1.82E-09	C-12 to C-13	11.4	1.99E-04	1.99E-09
n-Decane	9.3	1.62E-04	1.62E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Undecane	5.4	9.34E-05	9.34E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-Dodecane	11.2	1.95E-04	1.95E-09	>C-15	0.0	0.00E+00	0.00E+00
Tenax 3379				FC 28-1BT Air On			
				9/22/93 10:50			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	48.0	8.37E-04	8.37E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	183	3.19E-03	3.19E-08	C-6 to C-7	56.7	9.89E-04	9.89E-09
Toluene	47.6	8.30E-04	8.30E-09	C-7 to C-8	233	4.07E-03	4.07E-08
n-Octane	26.7	4.66E-04	4.66E-09	C-8 to C-9	111	1.94E-03	1.94E-08
Ethylbenzene	24.2	4.23E-04	4.23E-09	C-9 to C-10	14.0	2.44E-04	2.44E-09
p-Xylene	52.8	9.21E-04	9.21E-09	C-10 to C-11	12.9	2.25E-04	2.25E-09
n-Nonane	9.6	1.67E-04	1.67E-09	C-11 to C-12	9.4	1.64E-04	1.64E-09
n-Propylbenzene	2.2	3.76E-05	3.76E-10	C-12 to C-13	10.6	1.85E-04	1.85E-09
n-Decane	12.8	2.24E-04	2.24E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Undecane	9.4	1.64E-04	1.64E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-Dodecane	10.4	1.81E-04	1.81E-09	>C-15	0.0	0.00E+00	0.00E+00



FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3381		FC 30-1 Air On		#####	11:25		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Heptane	249	4.35E-03	4.35E-08	<C-6	0.0	0.00E+00	0.00E+00
Toluene	88.7	1.55E-03	1.55E-08	C-6 to C-7	411	7.16E-03	7.16E-08
n-Octane	48.7	8.49E-04	8.49E-09	C-7 to C-8	115	2.01E-03	2.01E-08
Ethylbenzene	47.7	8.32E-04	8.32E-09	C-8 to C-9	236	4.12E-03	4.12E-08
p-Xylene	109	1.90E-03	1.90E-08	C-9 to C-10	15.2	2.66E-04	2.66E-09
n-Nonane	16.3	2.85E-04	2.85E-09	C-10 to C-11	13.0	2.27E-04	2.27E-09
n-Propylbenzene	6.1	1.07E-04	1.07E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Decane	12.9	2.25E-04	2.25E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Tetradecane	20.0	3.48E-04	3.48E-09	C-13 to C-14	20.2	3.53E-04	3.53E-09
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax 3382		FC 30-1BT Air On		#####	11:25		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	82.1	1.43E-03	1.43E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	179	3.12E-03	3.12E-08	C-6 to C-7	347	6.05E-03	6.05E-08
Toluene	75.7	1.32E-03	1.32E-08	C-7 to C-8	82.3	1.44E-03	1.44E-08
n-Octane	33.7	5.88E-04	5.88E-09	C-8 to C-9	157	2.74E-03	2.74E-08
Ethylbenzene	27.9	4.87E-04	4.87E-09	C-9 to C-10	12.1	2.11E-04	2.11E-09
p-Xylene	81.4	1.42E-03	1.42E-08	C-10 to C-11	15.4	2.68E-04	2.68E-09
n-Nonane	9.9	1.73E-04	1.73E-09	C-11 to C-12	7.6	1.33E-04	1.33E-09
n-Propylbenzene	11.4	1.99E-04	1.99E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	7.4	1.29E-04	1.29E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Butylbenzene	7.5	1.31E-04	1.31E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-Undecane	7.6	1.33E-04	1.33E-09	>C-15	0.0	0.00E+00	0.00E+00

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3384				FC 11-1 Air Off			
				9/23/93 17:05			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	92	1.60E-03	1.60E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	193.9	3.38E-03	3.38E-08	C-6 to C-7	313	5.46E-03	5.46E-08
Toluene	11.5	2.01E-04	2.01E-09	C-7 to C-8	119	2.08E-03	2.08E-08
n-Octane	109.7	1.91E-03	1.91E-08	C-8 to C-9	225	3.93E-03	3.93E-08
Ethylbenzene	43.3	7.55E-04	7.55E-09	C-9 to C-10	11.2	1.95E-04	1.95E-09
p-Xylene	55.9	9.75E-04	9.75E-09	C-10 to C-11	11.6	2.02E-04	2.02E-09
n-Propylbenzene	94.5	1.65E-03	1.65E-08	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Decane	21.2	3.69E-04	3.69E-09	C-12 to C-13	8.0	1.40E-04	1.40E-09
n-Dodecane	7.5	1.30E-04	1.30E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	58.4	1.02E-03	1.02E-08
				>C-15	0.0	0.00E+00	0.00E+00
Tenax 3390				FC 11-1BT Air Off			
				9/23/93 17:05			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Heptane	14.4	2.51E-04	2.51E-09	<C-6	0.0	0.00E+00	0.00E+00
Toluene	2.3	3.96E-05	3.96E-10	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Decane	2.2	3.87E-05	3.87E-10	C-7 to C-8	16.0	2.79E-04	2.79E-09
n-Undecane	4.1	7.07E-05	7.07E-10	C-8 to C-9	0.0	0.00E+00	0.00E+00
n-Dodecane	9.6	1.68E-04	1.68E-09	C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	2.2	3.89E-05	3.89E-10
				C-11 to C-12	4.0	7.06E-05	7.06E-10
				C-12 to C-13	9.8	1.71E-04	1.71E-09
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	41.7	7.28E-04	7.28E-09
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3385				FC 32-1-2 Air On		9/22/93	11:50
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	76.8	1.05E-03	1.05E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	160	2.19E-03	2.19E-08	C-6 to C-7	241	3.29E-03	3.29E-08
Toluene	75.2	1.03E-03	1.03E-08	C-7 to C-8	248	3.38E-03	3.38E-08
n-Octane	36.4	4.98E-04	4.98E-09	C-8 to C-9	163	2.23E-03	2.23E-08
Ethylbenzene	43.1	5.88E-04	5.88E-09	C-9 to C-10	36.4	4.97E-04	4.97E-09
p-Xylene	79.2	1.08E-03	1.08E-08	C-10 to C-11	14.3	1.95E-04	1.95E-09
n-Nonane	15.5	2.12E-04	2.12E-09	C-11 to C-12	43.0	5.88E-04	5.88E-09
n-Propylbenzene	11.0	1.50E-04	1.50E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	14.2	1.94E-04	1.94E-09	C-13 to C-14	16.0	2.18E-04	2.18E-09
n-Tridecane	4.0	5.47E-05	5.47E-10	C-14 to C-15	71.6	9.79E-04	9.79E-09
1-Methylnaphthalene	13.3	1.81E-04	1.81E-09	>C-15	0.0	0.00E+00	0.00E+00
n-Tetradecane	14.6	1.99E-04	1.99E-09				
Tenax 3386				FC 32-1-2BT Air On		9/22/93	11:50
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	33.4	4.56E-04	4.56E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	44.9	6.13E-04	6.13E-09	C-6 to C-7	86.7	1.19E-03	1.19E-08
Toluene	40.2	5.49E-04	5.49E-09	C-7 to C-8	43.7	5.97E-04	5.97E-09
n-Octane	15.1	2.06E-04	2.06E-09	C-8 to C-9	75.6	1.03E-03	1.03E-08
Ethylbenzene	22.6	3.09E-04	3.09E-09	C-9 to C-10	4.0	5.45E-05	5.45E-10
p-Xylene	27.2	3.72E-04	3.72E-09	C-10 to C-11	3.6	4.96E-05	4.96E-10
n-Nonane	9.6	1.31E-04	1.31E-09	C-11 to C-12	8.6	1.18E-04	1.18E-09
n-Propylbenzene	3.8	5.13E-05	5.13E-10	C-12 to C-13	8.4	1.15E-04	1.15E-09
n-Decane	3.6	4.93E-05	4.93E-10	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Undecane	8.6	1.18E-04	1.18E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-Dodecane	8.3	1.13E-04	1.13E-09	>C-15	0.0	0.00E+00	0.00E+00

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3388				FC 11-1 Air On			
				9/22/93 12:30			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	155	2.70E-03	2.70E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	368	6.41E-03	6.41E-08	C-6 to C-7	261	4.56E-03	4.56E-08
Toluene	111	1.94E-03	1.94E-08	C-7 to C-8	511	8.91E-03	8.91E-08
n-Octane	73.3	1.28E-03	1.28E-08	C-8 to C-9	297	5.19E-03	5.19E-08
Ethylbenzene	55.0	9.60E-04	9.60E-09	C-9 to C-10	45.9	8.01E-04	8.01E-09
p-Xylene	160	2.80E-03	2.80E-08	C-10 to C-11	33.8	5.90E-04	5.90E-09
n-Nonane	19.8	3.45E-04	3.45E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Propylbenzene	13.0	2.27E-04	2.27E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	19.9	3.47E-04	3.47E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Buthylbenzene	2.2	3.86E-05	3.86E-10	C-14 to C-15	18.8	3.27E-04	3.27E-09
				>C-15	0.0	0.00E+00	0.00E+00
Tenax 3387				FC 11-1BT Air On			
				9/22/93 12:30			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	21.7	3.79E-04	3.79E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	36.3	6.33E-04	6.33E-09	C-6 to C-7	25.7	4.48E-04	4.48E-09
Toluene	21.2	3.71E-04	3.71E-09	C-7 to C-8	57.2	9.99E-04	9.99E-09
n-Octane	9.5	1.66E-04	1.66E-09	C-8 to C-9	29.0	5.07E-04	5.07E-09
Ethylbenzene	5.6	9.77E-05	9.77E-10	C-9 to C-10	7.0	1.22E-04	1.22E-09
p-Xylene	7.5	1.31E-04	1.31E-09	C-10 to C-11	8.8	1.53E-04	1.53E-09
n-Nonane	2.9	5.01E-05	5.01E-10	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Propylbenzene	2.6	4.54E-05	4.54E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	6.6	1.15E-04	1.15E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3389				FC 32-1-1 Air On			
				9/22/93 12:30			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	364	6.35E-03	6.35E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	564	9.84E-03	9.84E-08	C-6 to C-7	430	7.51E-03	7.51E-08
Toluene	262	4.58E-03	4.58E-08	C-7 to C-8	868	1.51E-02	1.51E-07
n-Octane	128	2.23E-03	2.23E-08	C-8 to C-9	625	1.09E-02	1.09E-07
Ethylbenzene	160	2.79E-03	2.79E-08	C-9 to C-10	104	1.82E-03	1.82E-08
p-Xylene	301	5.24E-03	5.24E-08	C-10 to C-11	33.4	5.82E-04	5.82E-09
n-Nonane	57.1	9.96E-04	9.96E-09	C-11 to C-12	22.3	3.89E-04	3.89E-09
n-Propylbenzene	29.3	5.11E-04	5.11E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	24.1	4.20E-04	4.20E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Butylbenzene	5.6	9.72E-05	9.72E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-Undecane	22.3	3.90E-04	3.90E-09	>C-15	0.0	0.00E+00	0.00E+00
Tenax 3383				FC 32-1-1BT Air On			
				9/22/93 11:50			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	192	3.34E-03	3.34E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	354	6.18E-03	6.18E-08	C-6 to C-7	531	9.27E-03	9.27E-08
Toluene	171	2.98E-03	2.98E-08	C-7 to C-8	548	9.56E-03	9.56E-08
n-Octane	86.9	1.52E-03	1.52E-08	C-8 to C-9	405	7.06E-03	7.06E-08
Ethylbenzene	101	1.76E-03	1.76E-08	C-9 to C-10	65.4	1.14E-03	1.14E-08
p-Xylene	192	3.34E-03	3.34E-08	C-10 to C-11	28.0	4.89E-04	4.89E-09
n-Nonane	35.7	6.23E-04	6.23E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Propylbenzene	18.9	3.29E-04	3.29E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	27.9	4.86E-04	4.86E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3392				FC 32-1 Air Off			
				9/23/93 12:30			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	37.2	6.48E-04	6.48E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	378	6.60E-03	6.60E-08	C-6 to C-7	283	4.94E-03	4.94E-08
Toluene	120	2.09E-03	2.09E-08	C-7 to C-8	533	9.30E-03	9.30E-08
n-Octane	78.2	1.37E-03	1.37E-08	C-8 to C-9	341	5.95E-03	5.95E-08
Ethylbenzene	62.2	1.09E-03	1.09E-08	C-9 to C-10	68.1	1.19E-03	1.19E-08
p-Xylene	178	3.10E-03	3.10E-08	C-10 to C-11	44.3	7.73E-04	7.73E-09
n-Nonane	23.3	4.07E-04	4.07E-09	C-11 to C-12	12.9	2.26E-04	2.26E-09
n-Propylbenzene	19.6	3.42E-04	3.42E-09	C-12 to C-13	10.0	1.74E-04	1.74E-09
n-Decane	23.4	4.08E-04	4.08E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Butylbenzene	3.0	5.18E-05	5.18E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-Undecane	13.0	2.26E-04	2.26E-09	>C-15	0.0	0.00E+00	0.00E+00
n-Dodecane	9.8	1.71E-04	1.71E-09				
Tenax 3391				FC 32-1-1BT Air Off			
				9/23/93 12:30			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Heptane	389	6.79E-03	6.79E-08	<C-6	0.0	0.00E+00	0.00E+00
Toluene	5.4	9.45E-05	9.45E-10	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Decane	8.9	1.55E-04	1.55E-09	C-7 to C-8	372	6.49E-03	6.49E-08
n-Undecane	24.6	4.30E-04	4.30E-09	C-8 to C-9	0.0	0.00E+00	0.00E+00
n-Dodecane	14.7	2.57E-04	2.57E-09	C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	8.9	1.56E-04	1.56E-09
				C-11 to C-12	24.6	4.29E-04	4.29E-09
				C-12 to C-13	15.0	2.62E-04	2.62E-09
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3393				Field Blank Opened at Site	9/22/93	18:06	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	225	3.81E-03	3.81E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	545	9.25E-03	9.25E-08	C-6 to C-7	314	5.32E-03	5.32E-08
Toluene	227	3.86E-03	3.86E-08	C-7 to C-8	820	1.39E-02	1.39E-07
n-Octane	132	2.24E-03	2.24E-08	C-8 to C-9	646	1.10E-02	1.10E-07
Ethylbenzene	130	2.21E-03	2.21E-08	C-9 to C-10	221	3.75E-03	3.75E-08
p-Xylene	329	5.58E-03	5.58E-08	C-10 to C-11	111	1.88E-03	1.88E-08
n-Nonane	53.9	9.16E-04	9.16E-09	C-11 to C-12	44.3	7.53E-04	7.53E-09
n-Decane	32.1	5.45E-04	5.45E-09	C-12 to C-13	16.8	2.85E-04	2.85E-09
n-Undecane	22.4	3.80E-04	3.80E-09	C-13 to C-14	10.7	1.81E-04	1.81E-09
n-Dodecane	16.5	2.80E-04	2.80E-09	C-14 to C-15	8.2	1.39E-04	1.39E-09
				>C-15	7.6	1.30E-04	1.30E-09
Tenax 3398				Trip Blank Unopened at Site	9/22/93		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	8.2	1.39E-04	1.39E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	107	1.82E-03	1.82E-08	C-6 to C-7	11.1	1.88E-04	1.88E-09
Toluene	28.4	4.82E-04	4.82E-09	C-7 to C-8	134	2.27E-03	2.27E-08
Ethylbenzene	6.1	1.03E-04	1.03E-09	C-8 to C-9	27.1	4.61E-04	4.61E-09
p-Xylene	19.8	3.37E-04	3.37E-09	C-9 to C-10	4.0	6.74E-05	6.74E-10
n-Propylbenzene	1.7	2.83E-05	2.83E-10	C-10 to C-11	0.0	0.00E+00	0.00E+00
n-Pentadecane	108	1.84E-03	1.84E-08	C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	108	1.84E-03	1.84E-08

FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3395				FC 28-1 Air Off			
				9/23/93 18:06			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	197	3.43E-03	3.43E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	501	8.74E-03	8.74E-08	C-6 to C-7	283	4.94E-03	4.94E-08
Toluene	235	4.09E-03	4.09E-08	C-7 to C-8	767	1.34E-02	1.34E-07
n-Octane	119	2.08E-03	2.08E-08	C-8 to C-9	607	1.06E-02	1.06E-07
Ethylbenzene	143	2.49E-03	2.49E-08	C-9 to C-10	249	4.34E-03	4.34E-08
p-Xylene	291	5.08E-03	5.08E-08	C-10 to C-11	92.5	1.61E-03	1.61E-08
n-Nonane	48.2	8.40E-04	8.40E-09	C-11 to C-12	54.7	9.54E-04	9.54E-09
n-Propylbenzene	144	2.51E-03	2.51E-08	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	32.1	5.60E-04	5.60E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Butylbenzene	31.1	5.42E-04	5.42E-09	C-14 to C-15	17.0	2.97E-04	2.97E-09
n-Undecane	9.0	1.56E-04	1.56E-09	>C-15	5.1	8.87E-05	8.87E-10
n-Tetradecane	6.4	1.11E-04	1.11E-09				
n-Pentadecane	5.1	8.87E-05	8.87E-10				
Tenax 3394				FC 28-1BT Air Off			
				9/23/93 18:06			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Heptane	8.5	1.48E-04	1.48E-09	<C-6	0.0	0.00E+00	0.00E+00
n-Dodecane	6.0	1.04E-04	1.04E-09	C-6 to C-7	6.4	1.11E-04	1.11E-09
				C-7 to C-8	8.0	1.39E-04	1.39E-09
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	6.1	1.06E-04	1.06E-09
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	5.5	9.66E-05	9.66E-10
				>C-15	0.0	0.00E+00	0.00E+00



FE Warren - Specific Compound and Boiling Point Results (Tenax Samples) September 1993 Surface Emission Test							
Tenax 3396				FC 30-1 Air Off			
				9/23/93 18:40			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	141	2.46E-03	2.46E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	366	6.38E-03	6.38E-08	C-6 to C-7	253	4.41E-03	4.41E-08
Toluene	108	1.89E-03	1.89E-08	C-7 to C-8	497	8.66E-03	8.66E-08
n-Octane	71.3	1.24E-03	1.24E-08	C-8 to C-9	300	5.23E-03	5.23E-08
Ethylbenzene	55.0	9.60E-04	9.60E-09	C-9 to C-10	45.3	7.90E-04	7.90E-09
p-Xylene	165	2.87E-03	2.87E-08	C-10 to C-11	39.0	6.81E-04	6.81E-09
n-Nonane	18.3	3.19E-04	3.19E-09	C-11 to C-12	2.7	4.76E-05	4.76E-10
n-Propylbenzene	13.6	2.37E-04	2.37E-09	C-12 to C-13	6.9	1.20E-04	1.20E-09
n-Decane	13.8	2.41E-04	2.41E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Butylbenzene	4.9	8.47E-05	8.47E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-Undecane	2.7	4.77E-05	4.77E-10	>C-15	0.0	0.00E+00	0.00E+00
n-Dodecane	6.8	1.18E-04	1.18E-09				
Tenax 3397				FC 30-1BT			
				9/23/93 18:40			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Benzene	78.0	1.36E-03	1.36E-08	<C-6	0.0	0.00E+00	0.00E+00
n-Heptane	218	3.80E-03	3.80E-08	C-6 to C-7	126	2.21E-03	2.21E-08
Toluene	58.9	1.03E-03	1.03E-08	C-7 to C-8	293	5.12E-03	5.12E-08
Ethylbenzene	29.6	5.16E-04	5.16E-09	C-8 to C-9	157	2.73E-03	2.73E-08
n-Octane	37.6	6.57E-04	6.57E-09	C-9 to C-10	22.5	3.93E-04	3.93E-09
p-Xylene	84.8	1.48E-03	1.48E-08	C-10 to C-11	18.2	3.17E-04	3.17E-09
n-Nonane	11.1	1.93E-04	1.93E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Propylbenzene	4.8	8.46E-05	8.46E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	9.2	1.61E-04	1.61E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	14.0	2.44E-04	2.44E-09
				>C-15	0.0	0.00E+00	0.00E+00

Total Hydrocarbon Results - FE Warren AFB Tenax Samples (7/94)

Sample Number	Sample Date	Sample Location	Injection Flowrate (cfm)	Mass C-5 to C-15 (ng)	Mass C-6 (ng)	Blank-Corr. Mass C-15 (ng)	Blank-Corr. Mass C-6 (ng)	Flux Rate C-5 to C-15 (g/m <sup>2</sup> -s)	Flux Rate C-6 (g/m <sup>2</sup> -s)
5438	7/11/94	TC1		41	43			-	-
5439	7/11/94	TC1		618	652			-	-
5377	7/7/94	MP26		213	224			-	-
5382	7/7/94			43	45			-	-
5383	7/7/94	MP28		77	81			-	-
5384	7/7/94	MP28		4105	4331			-	-
5393	7/8/94	MP26		2389	2520			-	-
5394	7/8/94	MP29		1303	1375			-	-
5395	7/8/94	MP29		7749	8175			-	-
5404	7/10/94	TC1		477	504			-	-
5405	7/10/94	TC1		2170	2290			-	-
5410	7/10/94	MP29		131	138			-	-
5411	7/10/94	MP29		1588	1675			-	-
5422	7/11/94	TC1		149	157			-	-
5423	7/11/94	TC1		52	55			-	-
5432	7/11/94	MP29		35	37			-	-
5433	7/11/94	MP29		1747	1843			-	-

Compound	M26-1	M26-1BT		M26-2	M26-2BT		M26-NF1	M26-NF1BT	
	5378	5379	BT	5380	5381	BT	5396	5397	BT
	Mass	Mass		Mass	Mass		Mass	Mass	
	(ng)	(ng)	%	(ng)	(ng)	%	(ng)	(ng)	%
Benzene	165	0.0	0.0	0.0	7.6	~	0.0	3.1	100
n-Heptane	12.6	7.6	37.6	46.6	0.0	0.0	0.0	317	100
Toluene	0.0	0.0	~	10.8	0.0	0.0	0.0	13.0	100
n-Octane	0.0	0.0	~	0.0	0.0	~	0.0	3.8	100
Ethylbenzene	0.0	0.0	~	0.0	0.0	~	0.06	0.0	0.0
p-Xylene	0.0	0.0	~	30.8	0.0	0.0	0.0	0.0	~
Naphthelene	2.4	0.0	0.0	0.0	0.0	~	0.22	0.0	0.0
n-Nonane	0.0	0.0	~	0.0	0.0	~	0.60	0.0	0.0
n-Propylbenzene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
1,3,5-Trimethyl	0.0	0.0	~	0.0	0.0	~	3.7	0.0	0.0
1,2,4-Trimethylpentane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Decane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
1,2,3-Trimethylpentane	0.0	0.0	~	0.0	6.5	100	0.0	0.0	~
n-Butylbenzene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Undecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Tetradecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
C-6 to C-7	217	205	48.6	944	9.1	1.0	0.08	22.9	100
C-7 to C-8	14.6	20.1	57.9	143	0.0	0.0	0.17	338	100
C-8 to C-9	0.0	0.0	~	31.7	0.0	0.0	0.07	3.7	98.3
C-9 to C-10	0.0	0.0	~	0.0	0.0	~	4.1	0.0	0.0
C-10 to C-11	0.0	0.0	~	0.0	6.1	100	0.0	0.0	~
C-11 to C-12	2.5	0.0	0.0	0.0	0.0	~	0.23	0.0	0.0
C-12 to C-13	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
C-13 to C-14	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
C-14 to C-15	18.5	0.0	0.0	0.0	0.0	~	0.0	0.0	~
>C-15	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
Total TPH	252	225	47.1	1,119	15.2	1.3	4.7	365	98.7

Compound	M26-NF2 M26-NF2BT			M28-1 M28-1BT			M28-2 M28-2BT		
	5398	5400	BT	5385	5386	BT	5387	5388	BT
	Mass	Mass		Mass	Mass		Mass	Mass	
	(ng)	(ng)	%	(ng)	(ng)	%	(ng)	(ng)	%
Benzene	0.0	296	100	66.9	116	63.5	66.9	116	63
n-Heptane	0.0	14.5	100	9.4	45.7	83.0	9.4	45.7	83
Toluene	0.0	1.6	100	0.0	28.6	100	0.0	28.6	-
n-Octane	0.0	0.0	-	4.0	16.6	80.7	4.0	16.6	81
Ethylbenzene	0.0	4.0	100	0.0	17.8	100	0.0	17.8	-
p-Xylene	0.0	5.0	100	0.0	21.2	100	0.0	21.2	-
Naphthalene	0.0	0.0	-	0.0	17.1	100	0.0	17.1	-
n-Nonane	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
n-Propylbenzene	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
1,3,5-Trimethyl	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
1,2,4-Trimethylpentane	0.0	0.0	-	0.0	22.7	100	0.0	22.7	-
n-Decane	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
1,2,3-Trimethylpentane	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
n-Butylbenzene	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
n-Undecane	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
n-Tetradecane	0.0	0.0	-	4.2	0.0	0.0	4.2	0.0	0.0
C-6 to C-7	95.5	459	83	89.0	181	67.1	718	1,091	60
C-7 to C-8	0.0	23.6	100	8.8	133	93.8	91.3	290	76
C-8 to C-9	0.0	9.3	100	8.5	56.1	86.9	17.1	82.3	83
C-9 to C-10	0.0	0.0	-	0.0	22.0	100	0.0	37.7	100
C-10 to C-11	0.0	0.0	-	0.0	0.0	-	0.0	25.7	100
C-11 to C-12	0.0	0.0	-	0.0	17.7	100	0.0	22.4	100
C-12 to C-13	0.0	0.0	-	0.0	0.0	-	0.0	32.6	100
C-13 to C-14	3.1	0.0	0.0	0.0	0.0	-	0.0	0.0	-
C-14 to C-15	0.0	0.0	-	3.9	0.0	0.0	7.9	0.0	0.0
>C-15	2.1	0.0	0.0	0.0	0.0	-	0.0	0.0	-
Total TPH	101	492	83.0	110	411	78.9	834	1581	65.5

Compound	M29-NF1 M29-NF1BT			M29-NF1/29-2NFBT			M29-1	M29-1BT	
	5392	5393		5394	9395		5406	5407	
	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %
Benzene	22.2	243.4	91.6	0.0	1215.5	100	0.0	0.0	~
n-Heptane	12.7	27.8	68.7	12.0	145.8	92.4	0.0	0.0	~
Toluene	12.9	6.3	32.7	9.6	68.2	87.7	0.0	0.0	~
n-Octane	0.0	8.5	100	0.0	64.6	100	0.0	0.0	~
Ethylbenzene	4.7	3.3	41.2	4.4	46.4	91.3	0.00	0.0	~
p-Xylene	4.8	0.0	0.0	1.7	39.4	95.8	0.0	0.0	~
Naphthelene	2.7	0.0	0.0	0.0	0.0	~	0.87	0.0	0.0
n-Nonane	0.0	1.0	100	0.0	10.6	100	0.0	0.0	~
n-Propylbenzene	0.82	1.5	64.9	0.0	8.7	100	0.0	0.0	~
1,3,5-Trimethyl	0.76	3.7	82.9	0.0	4.0	100	0.94	0.0	0.0
1,2,4-Trimethylpentane	0.0	1.1	100	2.4	34.0	93.5	0.0	0.0	~
n-Decane	5.3	0.0	0.0	3.5	17.2	83.0	5.7	0.0	0.0
1,2,3-Trimethylpentane	0.0	0.0	~	0.0	0.0	~	0.91	0.0	0.0
n-Butylbenzene	1.8	0.0	0.0	0.0	0.0	~	0.0	0.0	~
n-Undecane	0.72	0.0	0.0	4.1	20.6	83.3	4.7	0.0	0.0
n-Dodecane	0.0	0.0	~	0.0	0.0	~	5.8	0.0	0.0
n-Tetradecane	8.2	0.0	0.0	38.9	0.0	0.0	0.0	0.0	~
n-Pentadecane	0.0	0.0	~	193	0.0	0.0	0.0	0.0	~
C-6 to C-7	52.1	311	85.7	110	1661	93.8	27.11	71.5	72.5
C-7 to C-8	26.1	55.4	68.0	21.8	549	96.2	108	0.0	0.0
C-8 to C-9	9.8	11.6	54.3	6.3	174	96.5	5.52	0.0	0.0
C-9 to C-10	1.6	7.2	81.4	2.3	68.7	96.8	6.6	0.0	0.0
C-10 to C-11	11.6	0.0	0.0	3.5	21.6	86.1	8.2	0.0	0.0
C-11 to C-12	3.5	0.0	0.0	4.0	20.3	83.3	5.5	0.0	0.0
C-12 to C-13	0.0	0.0	~	0.0	0.0	~	5.7	0.0	0.0
C-13 to C-14	0.0	22.1	100	0.0	0.0	~	0.0	0.0	~
C-14 to C-15	17.1	10.1	37.3	36.5	0.0	0.0	0.0	0.0	~
>C-15	0.0	0.0	~	185	0.0	0.0	0.0	0.0	~
Total TPH	122	418	77.4	369	2,494	87.1	167	71.5	30.0

Compound	M29-2			M29-1BT			M29-2BT		
	5408			5428			5430		
	Mass	Mass	BT	Mass	Mass	BT	Mass	Mass	BT
	(ng)	(ng)	%	(ng)	(ng)	%	(ng)	(ng)	%
Benzene	40.6	123	75.1	0.0	0.0	~	0.0	0.0	~
n-Heptane	0.0	12.7	100	0.0	0.0	~	0.0	4.0	100
Toluene	0.0	4.0	100	0.7	0.0	0.0	0.0	161	100
n-Octane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
Ethylbenzene	0.0	6.3	100	0.0	0.0	~	0.0	0.0	~
p-Xylene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
Naphthalene	0.0	19.0	100	0.0	0.0	~	0.0	0.0	~
n-Nonane	0.0	0.0	~	0.0	0.0	~	0.0	0.66	100
n-Propylbenzene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
1,3,5-Trimethyl	6.4	0.0	0	3.2	0.0	0	0.0	0.0	~
1,2,4-Trimethylpentane	0.0	8.5	100	1.6	0.0	0	0.0	0.0	~
n-Decane	0.0	13.8	100	0.0	0.0	~	0.0	0.0	~
1,2,3-Trimethylpentane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Butylbenzene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Undecane	0.0	0.0	~	0.0	0.0	~	8.6	0.0	0
n-Dodecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Tetradecane	0.0	0.0	~	0.0	0.0	~	0.0	14.4	100
n-Pentadecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
C-6 to C-7	48.7	161	76.7	28.0	0.0	0.0	0.0	362	100
C-7 to C-8	0.0	25.7	100	0.8	0.0	0.0	0.0	181	100
C-8 to C-9	0.0	6.4	100	0.0	0.0	~	0.0	0.0	~
C-9 to C-10	9.0	25.9	74.2	4.7	0.0	0.0	0.0	0.62	100
C-10 to C-11	0.0	0.0	~	0.0	0.0	~	0.0	4.2	100
C-11 to C-12	0.0	58.7	100	0.0	0.0	~	8.4	0.0	0.0
C-12 to C-13	0.0	0.0	~	13.0	0.0	0.0	0.0	0.0	~
C-13 to C-14	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
C-14 to C-15	0.0	0.0	~	0.0	0.0	~	0.0	14.4	100
>C-15	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
Total TPH	57.8	277	82.8	46.5	0.0	0.0	8.4	563	98.5

Compound	TC2	TC2BT		TCA1	TCA1BT		TCA2	TCA2BT	
	5426	5427		5434	5435		5436	5437	
	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %
Benzene	0.0	0.0	~	0.0	0.0	~	233	0.0	0.0
n-Heptane	51.0	0.0	0.0	61.5	2.0	3.2	28.7	0.0	0.0
Toluene	100	42.0	29.5	286	25.6	8.2	40.4	0.0	0.0
n-Octane	1.0	0.0	0.0	7.8	0.0	0.0	0.0	1.0	100
Ethylbenzene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
p-Xylene	5.0	0.0	0.0	8.6	3.6	29.6	0.0	0.0	~
Naphthelene	13.4	0.0	0.0	0.0	0.0	~	0.0	12.6	100
n-Nonane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Propylbenzene	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
1,3,5-Trimethyl	0.0	0.0	~	0.0	0.0	~	6.6	0.0	0.0
1,2,4-Trimethylpentane	1.7	0.0	0.0	11.2	33.6	74.9	1.0	0.0	0.0
n-Decane	2.4	0.0	0.0	0.0	0.0	~	0.0	17.4	100
1,2,3-Trimethylpentane	0.0	0.0	~	6.9	0.0	0.0	0.0	2.7	100
n-Butylbenzene	0.0	0.0	~	11.5	0.0	0.0	0.0	0.0	~
n-Undecane	12.9	0.0	0.0	7.1	0.0	0.0	0.0	11.2	100
n-Dodecane	0.0	0.0	~	10.4	4.7	31.3	0.0	12.1	100
n-Tridecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
n-Tetradecane	0.0	0.0	~	18.4	0.0	0.0	0.0	0.0	~
n-Pentadecane	0.0	0.0	~	0.0	0.0	~	0.0	6.5	100
C-6 to C-7	265	217	45.1	705	304	30.1	279	32.7	10.5
C-7 to C-8	158	46.3	22.6	403	36.0	8.2	71.4	2.5	3.3
C-8 to C-9	6.2	0.0	0.0	16.5	3.7	19	0.0	1.8	100
C-9 to C-10	1.7	0.0	0.0	11.1	33.1	75	7.4	0.0	0.0
C-10 to C-11	2.5	0.0	0.0	18.6	0.0	0.0	0.0	20.3	100
C-11 to C-12	26.5	0.0	0.0	6.9	0.0	0.0	0.0	23.9	100
C-12 to C-13	0.0	0.0	~	14.6	4.9	25	0.0	12.4	100
C-13 to C-14	0.0	0.0	~	0.0	0.0	~	0.0	5.9	100
C-14 to C-15	18.8	0.0	0.0	18.4	0.0	0.0	0.0	0.0	~
>C-15	0.0	0.0	~	0.0	0.0	0.0	0.0	6.4	~
Total TPH	479	264	35.5	1,195	381	24.2	358	106	22.8

Compound	TC1	TC1BT		TC2	TC2BT		TC1	TC1BT	
	5399	5401	BT	5402	5403	BT	5424	5425	BT
	Mass	Mass		Mass	Mass		Mass	Mass	
	(ng)	(ng)	%	(ng)	(ng)	%	(ng)	(ng)	%
Benzene	0.0	0.0	~	0.0	207	100	0.0	770	100
n-Heptane	19.3	3.5	15.5	161	26.8	14.3	59.1	0.0	0.0
Toluene	0.0	0.0	~	0.0	0.0	~	112	199	63.9
n-Octane	0.0	0.0	~	9.7	0.0	0.0	0.0	0.0	~
Ethylbenzene	0.0	0.0	~	0.0	11.4	100	0.0	4.0	100
p-Xylene	0.0	0.0	~	0.0	0.0	~	14.1	3.9	21.9
Naphthalene	2.4	0.0	0.0	0.0	0.0	~	0.0	60.2	100
n-Nonane	0.0	0.0	~	0.0	3.5	100	0.0	0.0	~
n-Propylbenzene	0.0	0.0	~	0.0	5.6	100	0.0	0.0	~
1,3,5-Trimethyl	5.5	0.0	0.0	0.0	0.0	~	8.5	0.0	0.0
1,2,4-Trimethylpentane	0.0	0.0	~	0.0	5.4	100	7.6	94.9	92.6
n-Decane	2.3	0.0	0.0	0.0	0.0	~	0.0	0.0	~
1,2,3-Trimethylpentane	0.0	0.0	~	25.6	0.0	0.0	10.1	0.0	0.0
n-Butylbenzene	3.7	0.0	0.0	0.0	0.0	~	22.7	30.2	57.0
n-Undecane	0.0	0.0	~	0.0	0.0	~	10.9	0.0	0.0
n-Dodecane	0.0	0.0	~	0.0	0.0	~	6.0	0.0	0.0
n-Tridecane	2.5	0.0	0.0	0.0	0.0	~	0.0	0.0	~
n-Tetradecane	0.0	0.0		0.0	0.0		30.8	0.0	0.0
n-Pentadecane	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
C-6 to C-7	257	40.1	13.5	253	254	50.1	280	927	76.8
C-7 to C-8	32.9	5.4	14.0	190	53.6	22.0	197	449	69.5
C-8 to C-9	0.0	0.0	~	23.4	11.6	33.2	14.5	8.2	36.1
C-9 to C-10	5.3	0.0	0.0	23.0	14.7	39.0	34.1	93.5	73.3
C-10 to C-11	8.9	0.0	0.0	16.3	0.0	0.0	33.3	31.4	48.5
C-11 to C-12	2.4	0.0	0.0	13.0	0.0	0.0	76.6	62.1	44.8
C-12 to C-13	0.0	0.0	~	30.5	0.0	0.0	6.2	0.0	0.0
C-13 to C-14	2.7	0.0	0.0	0.0	0.0	~	0.0	0.0	~
C-14 to C-15	0.0	0.0	~	0.0	0.0	~	30.8	0.0	0.0
>C-15	0.0	0.0	~	0.0	0.0	~	0.0	0.0	~
Total TPH	310	45.5	12.8	549	334	37.8	673	1571	70.0



FE Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax 5377		Field Blank MP26		7/7/94	9:16		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	244	0.00E+00	0.00E+00	<C-6	229	0.00E+00	0.00E+00
Benzene	3	0.00E+00	0.00E+00	C-6 to C-7	3	0.00E+00	0.00E+00
n-Undecane	1.1	0.00E+00	0.00E+00	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-Pentadecane	48.0	0.00E+00	0.00E+00	C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	1.1	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	46.1	0.00E+00	0.00E+00
Tenax-5378		FC1-1 MP26		7/7/94	9:16		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	2,325	1.94E-02	1.94E-07	<C-6	2,012	1.68E-02	1.68E-07
n-Hexane	17.1	1.43E-04	1.43E-09	C-6 to C-7	217	1.81E-03	1.81E-08
Benzene	165	1.38E-03	1.38E-08	C-7 to C-8	14.6	1.22E-04	1.22E-09
n-Heptane	12.6	1.06E-04	1.06E-09	C-8 to C-9	0.0	0.00E+00	0.00E+00
Naphthelene	2.4	2.01E-05	2.01E-10	C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	2.5	2.08E-05	2.08E-10
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	18.5	1.55E-04	1.55E-09
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-5379		FC1-1BT MP26		7/7/94	9:16		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	2,382	1.99E-02	1.99E-07	<C-6	2,020	1.69E-02	1.69E-07
n-Hexane	6.6	5.52E-05	5.52E-10	C-6 to C-7	205	1.71E-03	1.71E-08
n-Heptane	7.6	6.37E-05	6.37E-10	C-7 to C-8	20.1	1.68E-04	1.68E-09
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5380				FC1-2 MP26			
				7/7/94 9:16			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	9,711	1.01E-01	1.01E-06	<C-6	6,803	7.07E-02	7.07E-07
n-Pentane	18.9	1.97E-04	1.97E-09	C-6 to C-7	944	9.81E-03	9.81E-08
2-Methylpentane	125	1.30E-03	1.30E-08	C-7 to C-8	143	1.49E-03	1.49E-08
n-Hexane	25.8	2.68E-04	2.68E-09	C-8 to C-9	31.7	3.30E-04	3.30E-09
n-Heptane	46.6	4.84E-04	4.84E-09	C-9 to C-10	0.0	0.00E+00	0.00E+00
Toluene	10.8	1.12E-04	1.12E-09	C-10 to C-11	0.0	0.00E+00	0.00E+00
p-Xylene	30.8	3.20E-04	3.20E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-5381				FC1-2BT MP26			
				7/7/94 9:16			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	828	8.61E-03	8.61E-08	<C-6	573	5.96E-03	5.96E-08
n-Pentane	12.4	1.29E-04	1.29E-09	C-6 to C-7	9.1	9.51E-05	9.51E-10
Benzene	7.6	7.93E-05	7.93E-10	C-7 to C-8	0.0	0.00E+00	0.00E+00
1,2,3-Trimethylpentane	6.5	6.76E-05	6.76E-10	C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	6.1	6.31E-05	6.31E-10
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-5382				Trip Blank			
				7/7/94 9:25			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	35.8	0.00E+00	0.00E+00	<C-6	56.3	0.00E+00	0.00E+00
Benzene	1.6	0.00E+00	0.00E+00	C-6 to C-7	1.9	0.00E+00	0.00E+00
n-Decane	0.73	0.00E+00	0.00E+00	C-7 to C-8	0.0	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.72	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax 5383		Trip Blank MP28		7/7/94	9:45		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	90.6	0.00E+00	0.00E+00	<C-6	105	0.00E+00	0.00E+00
				C-6 to C-7	2.6	0.00E+00	0.00E+00
				C-7 to C-8	0.0	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-5384		Field Blank MP28		7/7/94	9:45		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	6,649	0.00E+00	0.00E+00	<C-6	4,953	0.00E+00	0.00E+00
2-Methylpentane	66.6	0.00E+00	0.00E+00	C-6 to C-7	530	0.00E+00	0.00E+00
n-Hexane	0.67	0.00E+00	0.00E+00	C-7 to C-8	93.9	0.00E+00	0.00E+00
n-Heptane	51.9	0.00E+00	0.00E+00	C-8 to C-9	0.47	0.00E+00	0.00E+00
Toluene	5.6	0.00E+00	0.00E+00	C-9 to C-10	0.0	0.00E+00	0.00E+00
n-Octane	0.48	0.00E+00	0.00E+00	C-10 to C-11	0.0	0.00E+00	0.00E+00
n-Undecane	3.0	0.00E+00	0.00E+00	C-11 to C-12	3.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-5385		FC1-1 MP28		7/7/94	9:42		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	1,525	1.49E-02	1.49E-07	<C-6	1,230	1.20E-02	1.20E-07
n-Pentane	2.7	2.64E-05	2.64E-10	C-6 to C-7	89.0	8.67E-04	8.67E-09
2-Methylpentane	8.1	7.92E-05	7.92E-10	C-7 to C-8	8.8	8.57E-05	8.57E-10
n-Hexane	4.8	4.71E-05	4.71E-10	C-8 to C-9	8.5	8.25E-05	8.25E-10
Benzene	66.9	6.52E-04	6.52E-09	C-9 to C-10	0.0	0.00E+00	0.00E+00
n-Heptane	9.4	9.15E-05	9.15E-10	C-10 to C-11	0.0	0.00E+00	0.00E+00
n-Octane	4.0	3.86E-05	3.86E-10	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Tetradecane	4.2	4.05E-05	4.05E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	3.9	3.81E-05	3.81E-10
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5386				FC1-1BT MP28				7/7/94	9:42
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	8,338	8.13E-02	8.13E-07	<C-6	5,775	5.63E-02	5.63E-07		
2-Methylpentane	2.2	2.10E-05	2.10E-10	C-6 to C-7	181	1.77E-03	1.77E-08		
n-Hexane	36.6	3.56E-04	3.56E-09	C-7 to C-8	133	1.30E-03	1.30E-08		
Benzene	116	1.13E-03	1.13E-08	C-8 to C-9	56.1	5.47E-04	5.47E-09		
n-Heptane	45.7	4.46E-04	4.46E-09	C-9 to C-10	22.0	2.14E-04	2.14E-09		
Toluene	28.6	2.78E-04	2.78E-09	C-10 to C-11	0.0	0.00E+00	0.00E+00		
n-Octane	16.6	1.61E-04	1.61E-09	C-11 to C-12	17.7	1.72E-04	1.72E-09		
Ethylbenzene	17.8	1.74E-04	1.74E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00		
p-Xylene	21.2	2.06E-04	2.06E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00		
1,2,4-Trimethylpentane	22.7	2.21E-04	2.21E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00		
Naphthalene	17.1	1.66E-04	1.66E-09	>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5387				FC1-2 MP28				7/7/94	9:42
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Pentane	2,978	2.34E-02	2.34E-07	<C-6	5,466	4.29E-02	4.29E-07		
2-Methylpentane	74.3	5.83E-04	5.83E-09	C-6 to C-7	718	5.63E-03	5.63E-08		
n-Hexane	41.2	3.23E-04	3.23E-09	C-7 to C-8	91.3	7.16E-04	7.16E-09		
2,4-Dimethylpentane	22.4	1.75E-04	1.75E-09	C-8 to C-9	17.1	1.34E-04	1.34E-09		
n-Heptane	34.6	2.71E-04	2.71E-09	C-9 to C-10	0.0	0.00E+00	0.00E+00		
Toluene	8.6	6.72E-05	6.72E-10	C-10 to C-11	0.0	0.00E+00	0.00E+00		
n-Octane	12.2	9.56E-05	9.56E-10	C-11 to C-12	0.0	0.00E+00	0.00E+00		
Ethylbenzene	1.1	8.77E-06	8.77E-11	C-12 to C-13	0.0	0.00E+00	0.00E+00		
p-Xylene	2.9	2.30E-05	2.30E-10	C-13 to C-14	0.0	0.00E+00	0.00E+00		
n-Tetradecane	8.4	6.56E-05	6.56E-10	C-14 to C-15	7.9	6.16E-05	6.16E-10		
				>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5388				FC1-2BT MP28				7/7/94	9:42
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	8,242	6.46E-02	6.46E-07	<C-6	5,797	4.55E-02	4.55E-07		
2-Methylpentane	117	9.21E-04	9.21E-09	C-6 to C-7	1,091	8.55E-03	8.55E-08		
n-Hexane	154	1.21E-03	1.21E-08	C-7 to C-8	290	2.27E-03	2.27E-08		
Benzene	670	5.25E-03	5.25E-08	C-8 to C-9	82.3	6.46E-04	6.46E-09		
n-Heptane	82.1	6.44E-04	6.44E-09	C-9 to C-10	37.7	2.96E-04	2.96E-09		
Toluene	30.0	2.35E-04	2.35E-09	C-10 to C-11	25.7	2.01E-04	2.01E-09		
n-Octane	28.7	2.25E-04	2.25E-09	C-11 to C-12	22.4	1.75E-04	1.75E-09		
Ethylbenzene	23.7	1.86E-04	1.86E-09	C-12 to C-13	32.6	2.56E-04	2.56E-09		
p-Xylene	23.6	1.85E-04	1.85E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00		
n-Nonane	3.2	2.53E-05	2.53E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00		
n-Propylbenzene	9.1	7.16E-05	7.16E-10	>C-15	0.0	0.00E+00	0.00E+00		
1,3,5-Trimethylpentane	9.0	7.09E-05	7.09E-10						
1,2,4-Trimethylpentane	16.4	1.28E-04	1.28E-09						
n-Decane	6.3	4.94E-05	4.94E-10						
1,2,3-Trimethylpentane	9.0	7.10E-05	7.10E-10						
n-Butylbenzene	3.9	3.05E-05	3.05E-10						
n-Undecane	6.5	5.11E-05	5.11E-10						
Naphthalene	4.2	3.29E-05	3.29E-10						

FE Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax 5389		FCI-1 MP29		7/8/94	3:10		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Heptane	101	8.46E-04	8.46E-09	<C-6	1,234	1.03E-02	1.03E-07
1,2,4-Trimethylpentane	93.3	7.80E-04	7.80E-09	C-6 to C-7	27.1	2.27E-04	2.27E-09
n-Decane	10.2	8.55E-05	8.55E-10	C-7 to C-8	104	8.74E-04	8.74E-09
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	90.5	7.57E-04	7.57E-09
				C-10 to C-11	26.3	2.20E-04	2.20E-09
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-5390		FCI-1BT MP29		7/8/94	3:10		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	391	3.27E-03	3.27E-08	<C-6	268	2.25E-03	2.25E-08
Toluene	2.3	1.96E-05	1.96E-10	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Propylbenzene	9.0	7.56E-05	7.56E-10	C-7 to C-8	2.6	2.16E-05	2.16E-10
1,3,5-Trimethylpentane	12.5	1.05E-04	1.05E-09	C-8 to C-9	0.0	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	41.4	3.46E-04	3.46E-09	C-9 to C-10	62.3	5.21E-04	5.21E-09
n-Decane	19.4	1.62E-04	1.62E-09	C-10 to C-11	264	2.21E-03	2.21E-08
1,2,3-Trimethylpentane	33.2	2.78E-04	2.78E-09	C-11 to C-12	1,118	9.35E-03	9.35E-08
n-Butylbenzene	27.2	2.27E-04	2.27E-09	C-12 to C-13	2,752	2.30E-02	2.30E-07
n-Undecane	171	1.43E-03	1.43E-08	C-13 to C-14	2,268	1.90E-02	1.90E-07
Naphthalene	216	1.81E-03	1.81E-08	C-14 to C-15	791	6.62E-03	6.62E-08
n-Dodecane	543	4.54E-03	4.54E-08	>C-15	299	2.50E-03	2.50E-08
n-Tridecane	897	7.50E-03	7.50E-08				
1-Methylnaphthalene	288	2.41E-03	2.41E-08				
n-Tetradecane	122	1.02E-03	1.02E-08				
n-Pentadecane	304	2.54E-03	2.54E-08				
Tenax-5391		FCI-2 MP29		7/8/94	3:10		
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	374	3.82E-03	3.82E-08	<C-6	232	2.37E-03	2.37E-08
n-Pentane	1.4	1.43E-05	1.43E-10	C-6 to C-7	47.3	4.82E-04	4.82E-09
Benzene	39.4	4.02E-04	4.02E-09	C-7 to C-8	41.4	4.22E-04	4.22E-09
n-Heptane	15.4	1.57E-04	1.57E-09	C-8 to C-9	16.8	1.71E-04	1.71E-09
Toluene	24.5	2.49E-04	2.49E-09	C-9 to C-10	126	1.29E-03	1.29E-08
Ethylbenzene	7.3	7.46E-05	7.46E-10	C-10 to C-11	24.8	2.52E-04	2.52E-09
p-Xylene	9.0	9.19E-05	9.19E-10	C-11 to C-12	6.1	6.20E-05	6.20E-10
n-Propylbenzene	92.6	9.43E-04	9.43E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
1,3,5-Trimethylpentane	5.4	5.51E-05	5.51E-10	C-13 to C-14	14.0	1.43E-04	1.43E-09
1,2,4-Trimethylpentane	7.0	7.13E-05	7.13E-10	C-14 to C-15	59.0	6.01E-04	6.01E-09
n-Decane	7.8	7.93E-05	7.93E-10	>C-15	0.0	0.00E+00	0.00E+00
n-Undecane	6.2	6.33E-05	6.33E-10				
n-Tetradecane	17.7	1.81E-04	1.81E-09				

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5392				FC1-2BT MP29			
				7/8/94 3:10			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	547	5.58E-03	5.58E-08	<C-6	254	2.59E-03	2.59E-08
2-Methylpentane	7.2	7.35E-05	7.35E-10	C-6 to C-7	52.1	5.30E-04	5.30E-09
n-Hexane	2.6	2.60E-05	2.60E-10	C-7 to C-8	26.1	2.66E-04	2.66E-09
Benzene	22.2	2.26E-04	2.26E-09	C-8 to C-9	9.8	9.97E-05	9.97E-10
n-Heptane	12.7	1.29E-04	1.29E-09	C-9 to C-10	1.6	1.68E-05	1.68E-10
Toluene	12.9	1.31E-04	1.31E-09	C-10 to C-11	11.6	1.19E-04	1.19E-09
Ethylbenzene	4.7	4.81E-05	4.81E-10	C-11 to C-12	3.5	3.57E-05	3.57E-10
p-Xylene	4.8	4.90E-05	4.90E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Propylbenzene	0.82	8.35E-06	8.35E-11	C-13 to C-14	0.0	0.00E+00	0.00E+00
1,3,5-Trimethylpentane	0.76	7.73E-06	7.73E-11	C-14 to C-15	17.1	1.74E-04	1.74E-09
n-Decane	5.3	5.35E-05	5.35E-10	>C-15	0.0	0.00E+00	0.00E+00
n-Butylbenzene	1.8	1.81E-05	1.81E-10				
n-Undecane	0.72	7.36E-06	7.36E-11				
Naphthalene	2.7	2.75E-05	2.75E-10				
n-Tetradecane	8.2	8.37E-05	8.37E-10				

Tenax-5393				Trip Blank MP26			
				7/8/94 4:13			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	3,620	0.00E+00	0.00E+00	<C-6	2,806	0.00E+00	0.00E+00
Benzene	243	0.00E+00	0.00E+00	C-6 to C-7	311	0.00E+00	0.00E+00
n-Heptane	27.8	0.00E+00	0.00E+00	C-7 to C-8	55.4	0.00E+00	0.00E+00
Toluene	6.3	0.00E+00	0.00E+00	C-8 to C-9	11.6	0.00E+00	0.00E+00
n-Octane	8.5	0.00E+00	0.00E+00	C-9 to C-10	7.2	0.00E+00	0.00E+00
Ethylbenzene	3.3	0.00E+00	0.00E+00	C-10 to C-11	0.0	0.00E+00	0.00E+00
n-Nonane	1.0	0.00E+00	0.00E+00	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Propylbenzene	1.5	0.00E+00	0.00E+00	C-12 to C-13	0.0	0.00E+00	0.00E+00
1,3,5-Trimethylpentane	3.7	0.00E+00	0.00E+00	C-13 to C-14	22.1	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	1.1	0.00E+00	0.00E+00	C-14 to C-15	10.1	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

Tenax-5394				Field Blank MP29			
				7/8/94 4:15			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	1,966	0.00E+00	0.00E+00	<C-6	1,331	0.00E+00	0.00E+00
2-Methylpentane	19.0	0.00E+00	0.00E+00	C-6 to C-7	110	0.00E+00	0.00E+00
n-Hexane	10.6	0.00E+00	0.00E+00	C-7 to C-8	21.8	0.00E+00	0.00E+00
n-Heptane	12.0	0.00E+00	0.00E+00	C-8 to C-9	6.3	0.00E+00	0.00E+00
Toluene	9.6	0.00E+00	0.00E+00	C-9 to C-10	2.3	0.00E+00	0.00E+00
Ethylbenzene	4.4	0.00E+00	0.00E+00	C-10 to C-11	3.5	0.00E+00	0.00E+00
p-Xylene	1.7	0.00E+00	0.00E+00	C-11 to C-12	4.0	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	2.4	0.00E+00	0.00E+00	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Decane	3.5	0.00E+00	0.00E+00	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Undecane	4.1	0.00E+00	0.00E+00	C-14 to C-15	36.5	0.00E+00	0.00E+00
n-Tetradecane	38.9	0.00E+00	0.00E+00	>C-15	185	0.00E+00	0.00E+00
n-Pentadecane	193	0.00E+00	0.00E+00				

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5395				Field Blank MP29			
				7/8/94 3:28			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	13,031	0.00E+00	0.00E+00	<C-6	7,573	0.00E+00	0.00E+00
n-Pentane	132	0.00E+00	0.00E+00	C-6 to C-7	1,661	0.00E+00	0.00E+00
2-Methylpentane	221	0.00E+00	0.00E+00	C-7 to C-8	549	0.00E+00	0.00E+00
n-Hexane	17.8	0.00E+00	0.00E+00	C-8 to C-9	174	0.00E+00	0.00E+00
2,4-Dimethylpe	2.3	0.00E+00	0.00E+00	C-9 to C-10	68.7	0.00E+00	0.00E+00
Benzene	1,216	0.00E+00	0.00E+00	C-10 to C-11	21.6	0.00E+00	0.00E+00
n-Heptane	146	0.00E+00	0.00E+00	C-11 to C-12	20.3	0.00E+00	0.00E+00
Toluene	68.2	0.00E+00	0.00E+00	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-Octane	64.6	0.00E+00	0.00E+00	C-13 to C-14	0.0	0.00E+00	0.00E+00
Ethylbenzene	46.4	0.00E+00	0.00E+00	C-14 to C-15	0.0	0.00E+00	0.00E+00
p-Xylene	39.4	0.00E+00	0.00E+00	>C-15	0.0	0.00E+00	0.00E+00
n-Nonane	10.6	0.00E+00	0.00E+00				
n-Propylbenzene	8.7	0.00E+00	0.00E+00				
1,3,5-Trimethyl	4.0	0.00E+00	0.00E+00				
1,2,4-Trimethyl	34.0	0.00E+00	0.00E+00				
n-Decane	17.2	0.00E+00	0.00E+00				
n-Undecane	20.6	0.00E+00	0.00E+00				

Tenax-5396				FC1-1 MP26			
				7/8/94 4:06			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	310	3.16E-03	3.16E-08	<C-6	284	2.89E-03	2.89E-08
n-Hexane	0.07	7.61E-07	7.61E-12	C-6 to C-7	0.08	8.13E-07	8.13E-12
Ethylbenzene	0.06	6.56E-07	6.56E-12	C-7 to C-8	0.17	1.72E-06	1.72E-11
n-Nonane	0.60	6.06E-06	6.06E-11	C-8 to C-9	0.07	6.71E-07	6.71E-12
1,3,5-Trimethyl	3.7	3.79E-05	3.79E-10	C-9 to C-10	4.1	4.21E-05	4.21E-10
Naphthelene	0.22	2.27E-06	2.27E-11	C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.23	2.35E-06	2.35E-11
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

Tenax-5397				FC1-18T MP26			
				7/8/94 4:06			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	1,651	1.68E-02	1.68E-07	<C-6	2,950	3.01E-02	3.01E-07
2-Methylpentane	15.6	1.58E-04	1.58E-09	C-6 to C-7	22.9	2.34E-04	2.34E-09
n-Hexane	7.4	7.53E-05	7.53E-10	C-7 to C-8	338	3.44E-03	3.44E-08
2,4-Dimethylpe	17.9	1.83E-04	1.83E-09	C-8 to C-9	3.7	3.79E-05	3.79E-10
Benzene	3.1	3.17E-05	3.17E-10	C-9 to C-10	0.0	0.00E+00	0.00E+00
n-Heptane	317	3.23E-03	3.23E-08	C-10 to C-11	0.0	0.00E+00	0.00E+00
Toluene	13.0	1.33E-04	1.33E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00
n-Octane	3.8	3.90E-05	3.90E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5398				FC1-2 MP26				7/8/94	4:06
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Pentane	472	3.92E-03	3.92E-08	<C-6	996	8.28E-03	8.28E-08		
				C-6 to C-7	95.5	7.94E-04	7.94E-09		
				C-7 to C-8	0.0	0.00E+00	0.00E+00		
				C-8 to C-9	0.0	0.00E+00	0.00E+00		
				C-9 to C-10	0.0	0.00E+00	0.00E+00		
				C-10 to C-11	0.0	0.00E+00	0.00E+00		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	3.1	2.60E-05	2.60E-10		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	2.1	1.74E-05	1.74E-10		

Tenax-5399				FC1-1 TC1				7/10/94	9:25
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Pentane	995	8.27E-03	8.27E-08	<C-6	1,652	1.37E-02	1.37E-07		
n-Hexane	8.8	7.33E-05	7.33E-10	C-6 to C-7	257	2.14E-03	2.14E-08		
2,4-Dimethylpentane	7.6	6.35E-05	6.35E-10	C-7 to C-8	32.9	2.73E-04	2.73E-09		
n-Heptane	19.3	1.61E-04	1.61E-09	C-8 to C-9	0.0	0.00E+00	0.00E+00		
1,3,5-Trimethylpentane	5.5	4.60E-05	4.60E-10	C-9 to C-10	5.3	4.42E-05	4.42E-10		
n-Decane	2.3	1.91E-05	1.91E-10	C-10 to C-11	8.9	7.38E-05	7.38E-10		
n-Butylbenzene	3.7	3.07E-05	3.07E-10	C-11 to C-12	2.4	2.02E-05	2.02E-10		
Naphthalene	2.4	1.95E-05	1.95E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00		
n-Tridecane	2.5	2.09E-05	2.09E-10	C-13 to C-14	2.7	2.28E-05	2.28E-10		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5400				FC1-2BT MP26				7/8/94	4:06
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	4,798	1.53E-01	1.53E-06	<C-6	3,244	1.03E-01	1.03E-06		
n-Hexane	35.1	1.12E-03	1.12E-08	C-6 to C-7	459	1.46E-02	1.46E-07		
Benzene	296	9.45E-03	9.45E-08	C-7 to C-8	23.6	7.52E-04	7.52E-09		
n-Heptane	14.5	4.62E-04	4.62E-09	C-8 to C-9	9.3	2.95E-04	2.95E-09		
Toluene	1.6	5.16E-05	5.16E-10	C-9 to C-10	0.0	0.00E+00	0.00E+00		
Ethylbenzene	4.0	1.28E-04	1.28E-09	C-10 to C-11	0.0	0.00E+00	0.00E+00		
p-Xylene	5.0	1.60E-04	1.60E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		



FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5401				FC1-1BT TC1				7/10/94	9:25
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Pentane	263	8.38E-03	8.38E-08	<C-6	471	1.50E-02	1.50E-07		
2-Methylpentane	36.1	1.15E-03	1.15E-08	C-6 to C-7	40.1	1.28E-03	1.28E-08		
n-Hexane	1.2	3.73E-05	3.73E-10	C-7 to C-8	5.4	1.71E-04	1.71E-09		
n-Heptane	3.5	1.13E-04	1.13E-09	C-8 to C-9	0.0	0.00E+00	0.00E+00		
				C-9 to C-10	0.0	0.00E+00	0.00E+00		
				C-10 to C-11	0.0	0.00E+00	0.00E+00		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5402				FC1-2 TC1				7/10/94	9:25
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Pentane	923	1.79E-02	1.79E-07	<C-6	1,824	3.53E-02	3.53E-07		
n-Hexane	11.3	2.19E-04	2.19E-09	C-6 to C-7	253	4.89E-03	4.89E-08		
2,4-Dimethylpentane	15.5	2.99E-04	2.99E-09	C-7 to C-8	190	3.67E-03	3.67E-08		
n-Heptane	161	3.12E-03	3.12E-08	C-8 to C-9	23.4	4.53E-04	4.53E-09		
n-Octane	9.7	1.88E-04	1.88E-09	C-9 to C-10	23.0	4.44E-04	4.44E-09		
1,2,3-Trimethylpentane	25.6	4.95E-04	4.95E-09	C-10 to C-11	16.3	3.16E-04	3.16E-09		
				C-11 to C-12	13.0	2.52E-04	2.52E-09		
				C-12 to C-13	30.5	5.90E-04	5.90E-09		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5403				FC1-2BT TC1				7/10/94	9:25
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	2,777	5.37E-02	5.37E-07	<C-6	1,758	3.40E-02	3.40E-07		
n-Pentane	32.4	6.27E-04	6.27E-09	C-6 to C-7	254	4.91E-03	4.91E-08		
2-Methylpentane	39.8	7.71E-04	7.71E-09	C-7 to C-8	53.6	1.04E-03	1.04E-08		
n-Hexane	5.4	1.04E-04	1.04E-09	C-8 to C-9	11.6	2.25E-04	2.25E-09		
Benzene	207	4.00E-03	4.00E-08	C-9 to C-10	14.7	2.84E-04	2.84E-09		
n-Heptane	26.8	5.19E-04	5.19E-09	C-10 to C-11	0.0	0.00E+00	0.00E+00		
Ethylbenzene	11.4	2.20E-04	2.20E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00		
n-Nonane	3.5	6.80E-05	6.80E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00		
n-Propylbenzene	5.6	1.08E-04	1.08E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00		
1,2,4-Trimethylpentane	5.4	1.04E-04	1.04E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5404				Field Blank TC1				7/10/94	9:33
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
n-Pentane	93.2	0.00E+00	0.00E+00	<C-6	624	0.00E+00	0.00E+00		
Benzene	29.2	0.00E+00	0.00E+00	C-6 to C-7	35.0	0.00E+00	0.00E+00		
Ethylbenzene	1.2	0.00E+00	0.00E+00	C-7 to C-8	0.0	0.00E+00	0.00E+00		
				C-8 to C-9	1.2	0.00E+00	0.00E+00		
				C-9 to C-10	0.0	0.00E+00	0.00E+00		
				C-10 to C-11	0.0	0.00E+00	0.00E+00		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5405				Trip Blank TC1				7/10/94	9:35
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	2,798	0.00E+00	0.00E+00	<C-6	2,106	0.00E+00	0.00E+00		
n-Pentane	86.7	0.00E+00	0.00E+00	C-6 to C-7	297	0.00E+00	0.00E+00		
2-Methylpentane	82.7	0.00E+00	0.00E+00	C-7 to C-8	337	0.00E+00	0.00E+00		
n-Hexane	25.4	0.00E+00	0.00E+00	C-8 to C-9	13.0	0.00E+00	0.00E+00		
Benzene	225	0.00E+00	0.00E+00	C-9 to C-10	9.6	0.00E+00	0.00E+00		
n-Heptane	290	0.00E+00	0.00E+00	C-10 to C-11	14.0	0.00E+00	0.00E+00		
Toluene	22.5	0.00E+00	0.00E+00	C-11 to C-12	13.6	0.00E+00	0.00E+00		
p-Xylene	12.6	0.00E+00	0.00E+00	C-12 to C-13	0.0	0.00E+00	0.00E+00		
1,2,3-Trimethyl	10.7	0.00E+00	0.00E+00	C-13 to C-14	0.0	0.00E+00	0.00E+00		
n-Undecane	10.3	0.00E+00	0.00E+00	C-14 to C-15	0.0	0.00E+00	0.00E+00		
Naphthelene	3.5	0.00E+00	0.00E+00	>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5406				FC1-1 MP29				7/10/94	9:59
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	777	1.36E-02	1.36E-07	<C-6	1,032	1.80E-02	1.80E-07		
2-Methylpentane	20.3	3.55E-04	3.55E-09	C-6 to C-7	27.1	4.73E-04	4.73E-09		
n-Hexane	2.7	4.71E-05	4.71E-10	C-7 to C-8	108	1.89E-03	1.89E-08		
2,4-Dimethylpe	33.0	5.76E-04	5.76E-09	C-8 to C-9	5.5	9.65E-05	9.65E-10		
1,3,5-Trimethyl	0.94	1.65E-05	1.65E-10	C-9 to C-10	6.6	1.16E-04	1.16E-09		
n-Decane	5.7	9.98E-05	9.98E-10	C-10 to C-11	8.2	1.44E-04	1.44E-09		
1,2,3-Trimethyl	0.91	1.58E-05	1.58E-10	C-11 to C-12	5.5	9.54E-05	9.54E-10		
n-Undecane	4.7	8.13E-05	8.13E-10	C-12 to C-13	5.7	9.92E-05	9.92E-10		
Naphthelene	0.87	1.52E-05	1.52E-10	C-13 to C-14	0.0	0.00E+00	0.00E+00		
n-Dodecane	5.8	1.01E-04	1.01E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5407				FC1-1BT MP29				7/10/94	9:59
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	693	1.21E-02	1.21E-07	<C-6	903	1.58E-02	1.58E-07		
2-Methylpentane	53.0	9.25E-04	9.25E-09	C-6 to C-7	71.5	1.25E-03	1.25E-08		
n-Hexane	0.85	1.48E-05	1.48E-10	C-7 to C-8	0.0	0.00E+00	0.00E+00		
				C-8 to C-9	0.0	0.00E+00	0.00E+00		
				C-9 to C-10	0.0	0.00E+00	0.00E+00		
				C-10 to C-11	0.0	0.00E+00	0.00E+00		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5408				FC1-2 MP29				7/10/94	9:59
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	747	2.31E-02	2.31E-07	<C-6	645	1.99E-02	1.99E-07		
Benzene	40.6	1.25E-03	1.25E-08	C-6 to C-7	48.7	1.51E-03	1.51E-08		
1,3,5-Trimethyl	6.4	1.98E-04	1.98E-09	C-7 to C-8	0.0	0.00E+00	0.00E+00		
				C-8 to C-9	0.0	0.00E+00	0.00E+00		
				C-9 to C-10	9.0	2.79E-04	2.79E-09		
				C-10 to C-11	0.0	0.00E+00	0.00E+00		
				C-11 to C-12	0.0	0.00E+00	0.00E+00		
				C-12 to C-13	0.0	0.00E+00	0.00E+00		
				C-13 to C-14	0.0	0.00E+00	0.00E+00		
				C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

Tenax-5409				FC1-2BT MP29				7/10/94	9:59
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)		
2-Methylbutane	1.855	5.73E-02	5.73E-07	<C-6	1.542	4.76E-02	4.76E-07		
2-Methylpentane	0.90	2.79E-05	2.79E-10	C-6 to C-7	161	4.96E-03	4.96E-08		
n-Hexane	7.8	2.40E-04	2.40E-09	C-7 to C-8	25.7	7.93E-04	7.93E-09		
Benzene	123	3.79E-03	3.79E-08	C-8 to C-9	6.4	1.99E-04	1.99E-09		
n-Heptane	12.7	3.92E-04	3.92E-09	C-9 to C-10	25.9	8.01E-04	8.01E-09		
Toluene	4.0	1.22E-04	1.22E-09	C-10 to C-11	0.0	0.00E+00	0.00E+00		
Ethylbenzene	6.3	1.95E-04	1.95E-09	C-11 to C-12	58.7	1.81E-03	1.81E-08		
1,2,4-Trimethyl	8.5	2.64E-04	2.64E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00		
n-Undecane	13.8	4.27E-04	4.27E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00		
Naphthelene	19.0	5.88E-04	5.88E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00		
				>C-15	0.0	0.00E+00	0.00E+00		

FE Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax 5410				Field Blank MP29 7/10/94 9:59			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	33.4	0.00E+00	0.00E+00	<C-6	142	0.00E+00	0.00E+00
n-Pentane	0.81	0.00E+00	0.00E+00	C-6 to C-7	0.0	0.00E+00	0.00E+00
n-Decane	11.2	0.00E+00	0.00E+00	C-7 to C-8	0.0	0.00E+00	0.00E+00
n-Undecane	1.5	0.00E+00	0.00E+00	C-8 to C-9	0.0	0.00E+00	0.00E+00
n-Dodecane	7.6	0.00E+00	0.00E+00	C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	11.1	0.00E+00	0.00E+00
				C-11 to C-12	1.5	0.00E+00	0.00E+00
				C-12 to C-13	10.1	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	6.4	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax-5411				Trip Blank MP29 7/10/94 10:00			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	1,037	0.00E+00	0.00E+00	<C-6	1,967	0.00E+00	0.00E+00
n-Hexane	14.8	0.00E+00	0.00E+00	C-6 to C-7	154	0.00E+00	0.00E+00
n-Heptane	9.1	0.00E+00	0.00E+00	C-7 to C-8	8.5	0.00E+00	0.00E+00
p-Xylene	1.7	0.00E+00	0.00E+00	C-8 to C-9	0.0	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	2.1	0.00E+00	0.00E+00	C-9 to C-10	10.9	0.00E+00	0.00E+00
n-Dodecane	2.2	0.00E+00	0.00E+00	C-10 to C-11	6.2	0.00E+00	0.00E+00
				C-11 to C-12	3.3	0.00E+00	0.00E+00
				C-12 to C-13	10.0	0.00E+00	0.00E+00
				C-13 to C-14	6.6	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5422				Field Blank TC 1		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	5.6	0.00E+00	0.00E+00	<C-6	6.4	0.00E+00	0.00E+00
n-Hexane	109	0.00E+00	0.00E+00	C-6 to C-7	116	0.00E+00	0.00E+00
Toluene	19.5	0.00E+00	0.00E+00	C-7 to C-8	21.5	0.00E+00	0.00E+00
p-Xylene	8.7	0.00E+00	0.00E+00	C-8 to C-9	9.0	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	1.9	0.00E+00	0.00E+00	C-9 to C-10	1.9	0.00E+00	0.00E+00
n-Tetradecane	7.4	0.00E+00	0.00E+00	C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	7.4	0.00E+00	0.00E+00
				>C-15	0	0.00E+00	0.00E+00

Tenax 5423				Trip Blank TC 1		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	11.9	0.00E+00	0.00E+00	<C-6	63.7	0.00E+00	0.00E+00
1,3,5-Trimethylpentane	3.7	0.00E+00	0.00E+00	C-6 to C-7	1.8	0.00E+00	0.00E+00
n-Tetradecane	1.3	0.00E+00	0.00E+00	C-7 to C-8	0.0	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	3.6	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	1.3	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

Tenax 5424				TC1-1 TC 1		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	159	3.56E-03	3.56E-08	<C-6	488	1.09E-02	1.09E-07
2,4-Dimethylpentane	6.2	1.39E-04	1.39E-09	C-6 to C-7	280	6.27E-03	6.27E-08
n-Heptane	59.1	1.32E-03	1.32E-08	C-7 to C-8	197	4.42E-03	4.42E-08
Toluene	112	2.51E-03	2.51E-08	C-8 to C-9	14.5	3.25E-04	3.25E-09
p-Xylene	14.1	3.15E-04	3.15E-09	C-9 to C-10	34.1	7.64E-04	7.64E-09
1,3,5-Trimethylpentane	8.5	1.91E-04	1.91E-09	C-10 to C-11	33.3	7.47E-04	7.47E-09
1,2,4-Trimethylpentane	7.6	1.71E-04	1.71E-09	C-11 to C-12	76.6	1.72E-03	1.72E-08
1,2,3-Trimethylpentane	10.1	2.26E-04	2.26E-09	C-12 to C-13	6.2	1.38E-04	1.38E-09
n-Butylbenzene	22.7	5.09E-04	5.09E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Undecane	10.9	2.44E-04	2.44E-09	C-14 to C-15	30.8	6.90E-04	6.90E-09
n-Dodecane	6.0	1.35E-04	1.35E-09	>C-15	0.0	0.00E+00	0.00E+00
n-Tetradecane	30.8	6.89E-04	6.89E-09				

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5425				FC 1 - 1BT TC1		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	12.0	2.69E-04	2.69E-09	<C-6	549	1.23E-02	1.23E-07
n-Pentane	0.81	1.81E-05	1.81E-10	C-6 to C-7	927	2.08E-02	2.08E-07
2-Methylpentane	6.1	1.37E-04	1.37E-09	C-7 to C-8	449	1.01E-02	1.01E-07
n-Hexane	1.1	2.53E-05	2.53E-10	C-8 to C-9	8.2	1.83E-04	1.83E-09
Benzene	770	1.72E-02	1.72E-07	C-9 to C-10	93.5	2.09E-03	2.09E-08
Toluene	199	4.45E-03	4.45E-08	C-10 to C-11	31.4	7.04E-04	7.04E-09
Ethylbenzene	4.0	9.05E-05	9.05E-10	C-11 to C-12	62.1	1.39E-03	1.39E-08
p-Xylene	3.9	8.81E-05	8.81E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	94.9	2.12E-03	2.12E-08	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-Butylbenzene	30.2	6.75E-04	6.75E-09	C-14 to C-15	0.0	0.00E+00	0.00E+00
Naphthalene	60.2	1.35E-03	1.35E-08	>C-15	0.0	0.00E+00	0.00E+00

Tenax 5426				FC1-2 TC1		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	231	7.35E-03	7.35E-08	<C-6	479	1.53E-02	1.53E-07
n-Heptane	51.0	1.63E-03	1.63E-08	C-6 to C-7	265	8.44E-03	8.44E-08
Toluene	100	3.19E-03	3.19E-08	C-7 to C-8	158	5.05E-03	5.05E-08
n-Octane	1.0	3.20E-05	3.20E-10	C-8 to C-9	6.2	1.96E-04	1.96E-09
p-Xylene	5.0	1.60E-04	1.60E-09	C-9 to C-10	1.7	5.33E-05	5.33E-10
1,2,4-Trimethylpentane	1.7	5.41E-05	5.41E-10	C-10 to C-11	2.5	7.91E-05	7.91E-10
n-Decane	2.4	7.79E-05	7.79E-10	C-11 to C-12	26.5	8.44E-04	8.44E-09
n-Undecane	12.9	4.12E-04	4.12E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
Naphthalene	13.4	4.28E-04	4.28E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	18.8	5.99E-04	5.99E-09
				>C-15	0.0	0.00E+00	0.00E+00

Tenax 5427				FC1-2 BT TC1		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	300	9.58E-03	9.58E-08	<C-6	503	1.60E-02	1.60E-07
n-Hexane	1.1	3.65E-05	3.65E-10	C-6 to C-7	217	6.93E-03	6.93E-08
2,4-Dimethylpentane	3.3	1.07E-04	1.07E-09	C-7 to C-8	46.3	1.48E-03	1.48E-08
Toluene	42.0	1.34E-03	1.34E-08	C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax 5428				FCI-1 MP29		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	45.5	1.02E-03	1.02E-08	<C-6	99.6	2.23E-03	2.23E-08
Toluene	0.72	1.60E-05	1.60E-10	C-6 to C-7	28.0	6.26E-04	6.26E-09
1,3,5-Trimethylpentane	3.2	7.21E-05	7.21E-10	C-7 to C-8	0.79	1.77E-05	1.77E-10
1,2,4-Trimethylpentane	1.6	3.58E-05	3.58E-10	C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	4.7	1.06E-04	1.06E-09
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	13.0	2.92E-04	2.92E-09
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax 5429				FCI-1BT MP29		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
No Compounds Detected		0.00E+00	0.00E+00	<C-6	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-6 to C-7	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-7 to C-8	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-8 to C-9	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-9 to C-10	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-10 to C-11	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-11 to C-12	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-12 to C-13	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-13 to C-14	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	C-14 to C-15	0.0	0.00E+00	0.00E+00
		0.00E+00	0.00E+00	>C-15	0.0	0.00E+00	0.00E+00
Tenax 5430				FCI-2 MP29		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Undecane	8.6	2.75E-04	2.75E-09	<C-6	0.0	0.00E+00	0.00E+00
				C-6 to C-7	0.0	0.00E+00	0.00E+00
				C-7 to C-8	0.0	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	8.4	2.69E-04	2.69E-09
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5431				FCI-2BT MP29		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	361	1.15E-02	1.15E-07	<C-6	657	2.10E-02	2.10E-07
n-Heptane	4.0	1.26E-04	1.26E-09	C-6 to C-7	362	1.16E-02	1.16E-07
Toluene	161	5.13E-03	5.13E-08	C-7 to C-8	181	5.78E-03	5.78E-08
n-Nonane	0.66	2.11E-05	2.11E-10	C-8 to C-9	0.0	0.00E+00	0.00E+00
n-Tetradecane	14.4	4.58E-04	4.58E-09	C-9 to C-10	0.62	1.98E-05	1.98E-10
				C-10 to C-11	4.2	1.35E-04	1.35E-09
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	14.4	4.59E-04	4.59E-09
				>C-15	0.0	0.00E+00	0.00E+00

Tenax 5432				Field Blank MP29		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Toluene	1.0	0.00E+00	0.00E+00	<C-6	38.9	0.00E+00	0.00E+00
n-Decane	2.1	0.00E+00	0.00E+00	C-6 to C-7	1.3	0.00E+00	0.00E+00
n-Undecane	0.80	0.00E+00	0.00E+00	C-7 to C-8	1.1	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	3.8	0.00E+00	0.00E+00
				C-11 to C-12	0.78	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

Tenax 5433				Trip Blank MP29		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	593	0.00E+00	0.00E+00	<C-6	1072	0.00E+00	0.00E+00
n-Heptane	36.9	0.00E+00	0.00E+00	C-6 to C-7	711	0.00E+00	0.00E+00
Toluene	267	0.00E+00	0.00E+00	C-7 to C-8	328	0.00E+00	0.00E+00
n-Octane	1.6	0.00E+00	0.00E+00	C-8 to C-9	3.2	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	1.6	0.00E+00	0.00E+00	C-9 to C-10	1.6	0.00E+00	0.00E+00
1,2,3-Trimethylpentane	3.3	0.00E+00	0.00E+00	C-10 to C-11	3.1	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00



FE Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax 5434		FC1-1 TC1A		7/11/94			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	411	9.20E-03	9.20E-08	<C-6	653	1.46E-02	1.46E-07
2-Methylpentane	0.53	1.19E-05	1.19E-10	C-6 to C-7	705	1.58E-02	1.58E-07
n-Hexane	1.7	3.84E-05	3.84E-10	C-7 to C-8	403	9.04E-03	9.04E-08
2,4-Dimethylpentane	4.00	8.95E-05	8.95E-10	C-8 to C-9	16.5	3.69E-04	3.69E-09
n-Heptane	61.5	1.38E-03	1.38E-08	C-9 to C-10	11.1	2.48E-04	2.48E-09
Toluene	286	6.41E-03	6.41E-08	C-10 to C-11	18.6	4.16E-04	4.16E-09
n-Octane	7.8	1.75E-04	1.75E-09	C-11 to C-12	6.9	1.55E-04	1.55E-09
p-Xylene	8.6	1.93E-04	1.93E-09	C-12 to C-13	14.6	3.27E-04	3.27E-09
1,2,4-Trimethylpentane	11.2	2.52E-04	2.52E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
1,2,3-Trimethylpentane	6.9	1.55E-04	1.55E-09	C-14 to C-15	18.4	4.13E-04	4.13E-09
n-Butylbenzene	11.5	2.57E-04	2.57E-09	>C-15	0.0	0.00E+00	0.00E+00
n-Undecane	7.1	1.58E-04	1.58E-09				
n-Dodecane	10.4	2.33E-04	2.33E-09				
n-Tetradecane	18.4	4.12E-04	4.12E-09				
Tenax 5435		FC1-1BT TC1A		7/11/94			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	337.7	7.56E-03	7.56E-08	<C-6	671	1.50E-02	1.50E-07
n-Pentane	277.4	6.21E-03	6.21E-08	C-6 to C-7	304	6.80E-03	6.80E-08
n-Hexane	1.84	4.12E-05	4.12E-10	C-7 to C-8	36.0	8.06E-04	8.06E-09
2,4-Dimethylpentane	4.3	9.70E-05	9.70E-10	C-8 to C-9	3.7	8.37E-05	8.37E-10
n-Heptane	2.0	4.51E-05	4.51E-10	C-9 to C-10	33.1	7.42E-04	7.42E-09
Toluene	25.6	5.73E-04	5.73E-09	C-10 to C-11	0.0	0.00E+00	0.00E+00
p-Xylene	3.6	8.12E-05	8.12E-10	C-11 to C-12	0.0	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	33.6	7.53E-04	7.53E-09	C-12 to C-13	4.9	1.09E-04	1.09E-09
n-Dodecane	4.7	1.06E-04	1.06E-09	C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax 5436		FC1-2 TC1A		7/11/94			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	629	2.00E-02	2.00E-07	<C-6	398	1.27E-02	1.27E-07
n-Pentane	3.1	9.75E-05	9.75E-10	C-6 to C-7	279	8.91E-03	8.91E-08
2-Methylpentane	1.7	5.55E-05	5.55E-10	C-7 to C-8	71.4	2.28E-03	2.28E-08
Benzene	233	7.43E-03	7.43E-08	C-8 to C-9	0.0	0.00E+00	0.00E+00
n-Heptane	28.7	9.14E-04	9.14E-09	C-9 to C-10	7.4	2.35E-04	2.35E-09
Toluene	40.4	1.29E-03	1.29E-08	C-10 to C-11	0.0	0.00E+00	0.00E+00
1,3,5-Trimethylpentane	6.6	2.09E-04	2.09E-09	C-11 to C-12	0.0	0.00E+00	0.00E+00
1,2,4-Trimethylpentane	1.0	3.17E-05	3.17E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 5437				FC1-2BT TC1A		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	203	6.47E-03	6.47E-08	<C-6	239	7.63E-03	7.63E-08
n-Octane	1.0	3.31E-05	3.31E-10	C-6 to C-7	32.7	1.04E-03	1.04E-08
n-Decane	17.4	5.56E-04	5.56E-09	C-7 to C-8	2.5	7.88E-05	7.88E-10
1,2,3-Trimethyl	2.7	8.65E-05	8.65E-10	C-8 to C-9	1.8	5.82E-05	5.82E-10
n-Undecane	11.2	3.56E-04	3.56E-09	C-9 to C-10	0.0	0.00E+00	0.00E+00
Naphthelene	12.6	4.03E-04	4.03E-09	C-10 to C-11	20.3	6.47E-04	6.47E-09
n-Dodecane	12.1	3.87E-04	3.87E-09	C-11 to C-12	23.9	7.63E-04	7.63E-09
n-Pentadecane	6.5	2.06E-04	2.06E-09	C-12 to C-13	12.4	3.97E-04	3.97E-09
				C-13 to C-14	5.9	1.87E-04	1.87E-09
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	6.4	2.06E-04	2.06E-09

Tenax 5438				Field Blank TC1A		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
Toluene	1.7	0.00E+00	0.00E+00	<C-6	16.2	0.00E+00	0.00E+00
1,3,5-Trimethyl	2.3	0.00E+00	0.00E+00	C-6 to C-7	3.4	0.00E+00	0.00E+00
n-Pentadecane	1.0	0.00E+00	0.00E+00	C-7 to C-8	1.8	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	2.2	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	2.7	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	15.0	0.00E+00	0.00E+00
				>C-15	5.8	0.00E+00	0.00E+00

Tenax 5439				Trip Blank TC1A		7/11/94	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-Methylbutane	734	0.00E+00	0.00E+00	<C-6	498	0.00E+00	0.00E+00
2-Methylpentane	0.79	0.00E+00	0.00E+00	C-6 to C-7	244	0.00E+00	0.00E+00
Toluene	14.7	0.00E+00	0.00E+00	C-7 to C-8	16.2	0.00E+00	0.00E+00
n-Undecane	7.4	0.00E+00	0.00E+00	C-8 to C-9	0.0	0.00E+00	0.00E+00
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	0.0	0.00E+00	0.00E+00
				C-11 to C-12	7.2	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	13.1	0.00E+00	0.00E+00
				>C-15	11.0	0.00E+00	0.00E+00

Total Surface Emission Rate Data - FE Warren AFB 3/95

Sample Number	Sample Date	Sample Location	Injection Flow(cfm)	Sample Type	Mass(C6) (ng)	Blank-Corr. Mass (ng)	Flux Rate C-5 to C-15 (g/m^2-s)	Flux Rate C-6 (g/m^2-s)	Average Flux C-6 (g/m^2-day)
6707	3/21/95		0.5	Tenax	681	0.0	0.00E+00	0.00E+00	
6708	3/21/95		0.5	Tenax	1296	604	6.02E-08	5.50E-08	
6709	3/21/95	MP32	0.5	Tenax	638	0.0	0.00E+00	0.00E+00	
6710	3/21/95		0.5	Tenax	494	0.0	0.00E+00	0.00E+00	0.002
6711	3/21/95		0.0	Tenax	2288	1596	1.37E-07	1.25E-07	
6712	3/21/95		0.0	Tenax	764	72	0.00E+00	0.00E+00	
6713	3/21/95	MP32	0.0	Tenax	808	116	1.10E-08	1.00E-08	
6714	3/21/95		0.0	Tenax	1147	455	4.31E-08	3.94E-08	0.008
6715	3/21/95		0.5	Tenax	-	-	-	-	
6716	3/21/95		0.5	Tenax	1177	485	4.04E-08	3.68E-08	
6717	3/21/95	MP30	0.5	Tenax	568	0.0	0.00E+00	0.00E+00	
6718	3/21/95		0.5	Tenax	570	0.0	0.00E+00	0.00E+00	0.002
6719	3/21/95		~	Tenax	1234		-	-	
6720	3/21/95		~	Tenax	100		-	-	
6721	3/21/95	FEW	0.5	Tenax	582		-	-	
6722	3/21/95		0.5	Tenax	1135		-	-	
6723	3/21/95		0.0	Tenax	590		-	-	
6724	3/21/95		0.0	Tenax	513		-	-	

Compound	M32-1	M32-1BT		M32-2	M32-2BT		M32-NF1	M32-NF1BT	
	6708	6707		6710	6709		6711	6712	
	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %
n-Pentane	150	328	68.6	100	144	59.0	589	3.0	0.5
2-Methylpentane	496	0.0	0.0	0.0	0.0	~	0.0	167	100
n-Hexane	176	9.0	4.9	0.0	83.9	100	13.1	0.0	0.0
Benzene	17.7	8.6	32.7	0.0	6.5	100	0.0	7.5	100
n-heptane	0.0	0.0	~	0.0	0.0	~	3.2	0.0	0.0
Toluene	2.5	0.6	19.9	7.5	4.0	34.6	8.7	14.2	61.8
Ethylbenzene	22.9	2.3	9.2	0.0	0.0	~	0.0	6.1	100
P-Xylene	3.8	7.7	67.2	0.82	0.50	37.7	1.29	16.0	92.5
n-Propylbenzene	0.0	3.1	100	0.0	2.1	100	9.7	0.0	0.0
1,3,5-trimethylpentane	3.3	4.8	59.3	4.7	0.5	9.0	2.26	1.3	36.5
1,2,4-trimethylpentane	9.0	0.73	7.6	1.2	0.3	20.0	76.6	12.6	14.1
n-Decane	0.96	0.25	20.7	0.46	0.0	0.0	20.1	3.7	15.6
1,2,3-trimethylpentane	5.3	12.0	69.4	2.9	1.4	32.8	0.0	8.9	100
n-Butylbenzene	15.4	3.8	19.7	49.5	2.7	5.2	38.3	1.9	4.8
n-Undecane	4.3	3.4	44.3	441	11.6	2.6	104	1.4	1.3
n-Dodecane	3.2	1.6	34.0	0.0	0.0	~	47.7	3.1	6.0
1-Methylnaphtha	0.0	5.7	100	0.0	0.0	~	624	0.0	0.0
n-Tetradecane	0.0	10.6	100	0.0	0.0	~	21.2	0.0	0.0
n-Pentadecane	10.4	10.6	50.5	0.0	0.0	~	8.0	2.3	22.2
C-6 to C-7	192	26.5	12.1	87.9	95.7	52.1	25.9	447	94.5
C-7 to C-8	7.4	1.7	18.8	10.9	11.4	51.0	12.3	17.5	58.7
C-8 to C-9	45.1	27.2	37.6	14.5	9.1	38.5	99.6	45.7	31.5
C-9 to C-10	11.8	3.1	20.8	10.3	2.1	17.2	9.7	8.6	46.9
C-10 to C-11	21.0	11.1	34.7	56.5	44.2	43.9	77.3	27.1	26.0
C-11 to C-12	63.7	9.7	13.2	0.76	14.8	95.1	144	5.6	3.8
C-12 to C-13	3.1	1.6	34.0	0.0	2.8	100	46.7	3.0	6.0
C-13 to C-14	12.6	23.1	64.7	0.0	22.7	100	617	1.4	0.22
C-14 to C-15	11.3	10.6	48.3	0.0	0.0	~	21.1	9.6	31.2
>C-15	236	10.6	4.3	0.0	0.0	~	139	9.6	6.5
Total TPH	605	125	17	181	203	52.9	1193	575	32.5

Compound	M32-NF2 M32-NF2BT			M30-1 M30-1BT			M30-2 M30-2BT		
	6713	6714		6715	6716		6717	6718	
	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %	Mass (ng)	Mass (ng)	BT %
n-Pentane	146	167	53.4	broken	595	~	312	0.0	0.0
2-Methylpentane	492	734	59.9	tenax	160	~	0.0	323	100
n-Hexane	62.1	100	61.7	~	2.1	~	9.1	0.0	0.0
Benzene	4.1	8.6	68.0	~	0.0	~	2.8	0.0	0.0
n-heptane	0.0	35.5	100	~	0.0	~	0.0	0.0	~
Toluene	16.3	11.5	41.4	~	2.2	~	1.4	1.0	40.0
Ethylbenzene	1.1	36.8	97.2	~	0.0	~	0.0	0.0	~
P-Xylene	8.4	5.4	38.9	~	5.6	~	3.0	0.0	0.0
n-Propylbenzene	9.5	18.6	66.1	~	2.3	~	1.2	0.0	0.0
1,3,5-trimethylpentane	2.7	3.8	58.9	~	8.5	~	1.8	0.0	0.0
1,2,4-trimethylpentane	5.7	5.0	46.7	~	2.8	~	10.6	0.0	0.0
n-Decane	0.0	0.14	100	~	1.6	~	0.0	0.0	~
1,2,3-trimethylpentane	2.0	0.55	21.2	~	4.6	~	1.5	0.0	0.0
n-Butylbenzene	13.8	3.1	18.5	~	9.6	~	9.3	0.0	0.0
n-Undecane	1.4	17.2	92.5	~	0.0	~	0.0	0.0	0.0
n-Dodecane	0.0	0.0	~	~	0.0	~	0.0	0.0	~
1-Methylnaphtha	0.0	0.0	~	~	0.0	~	0.0	0.0	~
n-Tetradecane	0.0	0.0	~	~	0.0	~	0.0	0.0	~
n-Pentadecane	0.0	0.0	~	~	0.0	~	0.0	0.0	~
C-6 to C-7	75.4	126	62.5	~	28.5	~	13.2	28.6	68.4
C-7 to C-8	31.3	46.1	59.6	~	6.9	~	10.4	2.9	22.0
C-8 to C-9	20.4	52.9	72.2	~	23.7	~	23.5	3.7	13.6
C-9 to C-10	9.5	18.6	66.1	~	2.3	~	1.2	0.0	0.0
C-10 to C-11	35.5	11.9	25.1	~	18.9	~	17.1	3.1	15.5
C-11 to C-12	3.1	24.2	88.6	~	2.4	~	4.9	0.0	0.0
C-12 to C-13	20.1	0.78	3.7	~	0.0	~	0.0	0.0	~
C-13 to C-14	3.3	2.1	38.1	~	0.0	~	0.0	0.0	~
C-14 to C-15	0.0	1.8	100	~	0.0	~	0.0	0.0	~
>C-15	0.0	4.8	100	~	0.0	~	0.0	0.0	~
Total TPH	199	289	59.2	20.5	82.7	80.1	70.3	38.4	35.3

FE Warren AFB - Specific Compound and Boiling Point Results  
(Tenax Samples)

Tenax 6707				M32-1BT				3/21/95			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	328	2.99E-03	2.99E-08	<C-6	646	5.88E-03	5.88E-08	n-Pentane	150	1.37E-03	1.37E-08
n-Hexane	9.0	8.23E-05	8.23E-10	C-6 to C-7	26.5	2.41E-04	2.41E-09	2-Methylpentane	496	4.52E-03	4.52E-08
Benzene	8.6	7.84E-05	7.84E-10	C-7 to C-8	1.7	1.56E-05	1.56E-10	n-Hexane	176	1.60E-03	1.60E-08
Toluene	0.63	5.70E-06	5.70E-11	C-8 to C-9	27.2	2.48E-04	2.48E-09	Benzene	17.7	1.61E-04	1.61E-09
Ethylbenzene	2.3	2.12E-05	2.12E-10	C-9 to C-10	3.1	2.82E-05	2.82E-10	Toluene	2.5	2.29E-05	2.29E-10
p-Xylene	7.7	7.05E-05	7.05E-10	C-10 to C-11	11.1	1.02E-04	1.02E-09	Ethylbenzene	22.9	2.08E-04	2.08E-09
n-Propylbenzene	3.1	2.81E-05	2.81E-10	C-11 to C-12	9.7	8.81E-05	8.81E-10	p-Xylene	3.8	3.44E-05	3.44E-10
1,3,5-trimethylpentane	4.8	4.35E-05	4.35E-10	C-12 to C-13	1.6	1.46E-05	1.46E-10	1,3,5-trimethylpentane	3.3	2.99E-05	2.99E-10
1,2,4-trimethylpentane	0.73	6.67E-06	6.67E-11	C-13 to C-14	23.1	2.10E-04	2.10E-09	1,2,4-trimethylpentane	9.0	8.16E-05	8.16E-10
n-Decane	0.25	2.28E-06	2.28E-11	C-14 to C-15	10.6	9.64E-05	9.64E-10	n-Decane	1.0	8.75E-06	8.75E-11
1,2,3-trimethylpentane	12.0	1.09E-04	1.09E-09	>C-15	10.6	9.66E-05	9.66E-10	1,2,3-trimethylpentane	5.3	4.81E-05	4.81E-10
n-Butylbenzene	3.8	3.43E-05	3.43E-10					n-Butylbenzene	15.4	1.40E-04	1.40E-09
n-Undecane	3.4	3.14E-05	3.14E-10					n-Undecane	4.3	3.94E-05	3.94E-10
n-Dodecane	1.6	1.49E-05	1.49E-10					n-Dodecane	3.2	2.90E-05	2.90E-10
1-Methylnaphtha	5.7	5.19E-05	5.19E-10					n-Pentadecane	10.4	9.45E-05	9.45E-10
n-Tetradecane	10.6	9.67E-05	9.67E-10								
n-Pentadecane	10.6	9.66E-05	9.66E-10								

Tenax 6708				M32-1				3/21/95			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-Pentane	150	1.37E-03	1.37E-08	<C-6	720	6.35E-03	6.35E-08	n-Pentane	150	1.37E-03	1.37E-08
2-Methylpentane	496	4.52E-03	4.52E-08	C-6 to C-7	192	1.75E-03	1.75E-08	2-Methylpentane	496	4.52E-03	4.52E-08
n-Hexane	176	1.60E-03	1.60E-08	C-7 to C-8	7.4	6.72E-05	6.72E-10	n-Hexane	176	1.60E-03	1.60E-08
Benzene	17.7	1.61E-04	1.61E-09	C-8 to C-9	45.1	4.11E-04	4.11E-09	Benzene	17.7	1.61E-04	1.61E-09
Toluene	2.5	2.29E-05	2.29E-10	C-9 to C-10	11.8	1.07E-04	1.07E-09	Toluene	2.5	2.29E-05	2.29E-10
Ethylbenzene	22.9	2.08E-04	2.08E-09	C-10 to C-11	21.0	1.91E-04	1.91E-09	Ethylbenzene	22.9	2.08E-04	2.08E-09
p-Xylene	3.8	3.44E-05	3.44E-10	C-11 to C-12	63.7	5.80E-04	5.80E-09	p-Xylene	3.8	3.44E-05	3.44E-10
1,3,5-trimethylpentane	3.3	2.99E-05	2.99E-10	C-12 to C-13	3.1	2.84E-05	2.84E-10	1,3,5-trimethylpentane	3.3	2.99E-05	2.99E-10
1,2,4-trimethylpentane	9.0	8.16E-05	8.16E-10	C-13 to C-14	12.6	1.15E-04	1.15E-09	1,2,4-trimethylpentane	9.0	8.16E-05	8.16E-10
n-Decane	1.0	8.75E-06	8.75E-11	C-14 to C-15	11.3	1.03E-04	1.03E-09	n-Decane	1.0	8.75E-06	8.75E-11
1,2,3-trimethylpentane	5.3	4.81E-05	4.81E-10	>C-15	236	2.15E-03	2.15E-08	1,2,3-trimethylpentane	5.3	4.81E-05	4.81E-10
n-Butylbenzene	15.4	1.40E-04	1.40E-09					n-Butylbenzene	15.4	1.40E-04	1.40E-09
n-Undecane	4.3	3.94E-05	3.94E-10					n-Undecane	4.3	3.94E-05	3.94E-10
n-Dodecane	3.2	2.90E-05	2.90E-10					n-Dodecane	3.2	2.90E-05	2.90E-10
n-Pentadecane	10.4	9.45E-05	9.45E-10					n-Pentadecane	10.4	9.45E-05	9.45E-10

Tenax 6709				M32-2BT				3/21/95			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	144	1.21E-03	1.21E-08	<C-6	499	4.17E-03	4.17E-08	n-pentane	144	1.21E-03	1.21E-08
n-hexane	83.9	7.02E-04	7.02E-09	C-6 to C-7	95.7	8.00E-04	8.00E-09	n-hexane	83.9	7.02E-04	7.02E-09
benzene	6.5	5.47E-05	5.47E-10	C-7 to C-8	11.4	9.50E-05	9.50E-10	benzene	6.5	5.47E-05	5.47E-10
toluene	4.0	3.31E-05	3.31E-10	C-8 to C-9	9.1	7.61E-05	7.61E-10	toluene	4.0	3.31E-05	3.31E-10
p-xylene	0.5	4.15E-06	4.15E-11	C-9 to C-10	2.1	1.78E-05	1.78E-10	p-xylene	0.5	4.15E-06	4.15E-11
n-propylbenzene	2.1	1.78E-05	1.78E-10	C-10 to C-11	44.2	3.70E-04	3.70E-09	n-propylbenzene	2.1	1.78E-05	1.78E-10
1,3,5-trimethylpentane	0.5	3.85E-06	3.85E-11	C-11 to C-12	14.8	1.24E-04	1.24E-09	1,3,5-trimethylpentane	0.5	3.85E-06	3.85E-11
1,2,4-trimethylpentane	0.3	2.50E-06	2.50E-11	C-12 to C-13	2.8	2.36E-05	2.36E-10	1,2,4-trimethylpentane	0.3	2.50E-06	2.50E-11
1,2,3-trimethylpentane	1.4	1.20E-05	1.20E-10	C-13 to C-14	22.7	1.90E-04	1.90E-09	1,2,3-trimethylpentane	1.4	1.20E-05	1.20E-10
n-butylbenzene	2.7	2.26E-05	2.26E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00	n-butylbenzene	2.7	2.26E-05	2.26E-10
n-undecane	11.6	9.72E-05	9.72E-10	>C-15	0.0	0.00E+00	0.00E+00	n-undecane	11.6	9.72E-05	9.72E-10

FE Warren AFB - Specific Compound and Boiling Point Results (Tenax Samples)							
Tenax 6710				M32-2		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	100	8.37E-04	8.37E-09	<C-6	361	3.02E-03	3.02E-08
toluene	7.5	6.25E-05	6.25E-10	C-6 to C-7	87.9	7.35E-04	7.35E-09
p-xylene	0.82	6.85E-06	6.85E-11	C-7 to C-8	10.9	9.11E-05	9.11E-10
1,3,5-trimethylpentane	4.7	3.91E-05	3.91E-10	C-8 to C-9	14.5	1.22E-04	1.22E-09
1,2,4-trimethylpentane	1.2	1.00E-05	1.00E-10	C-9 to C-10	10.3	8.58E-05	8.58E-10
n-decane	0.46	3.85E-06	3.85E-11	C-10 to C-11	56.5	4.73E-04	4.73E-09
1,2,3-trimethylpentane	2.9	2.46E-05	2.46E-10	C-11 to C-12	0.76	6.38E-06	6.38E-11
n-butylbenzene	49.5	4.14E-04	4.14E-09	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-undecane	441	3.69E-03	3.69E-08	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-dodecane	0.0	0.00E+00	0.00E+00	C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00
Tenax 6711				M32-NF1		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	589	4.63E-03	4.63E-08	<C-6	1004	7.89E-03	7.89E-08
n-hexane	13.1	1.03E-04	1.03E-09	C-6 to C-7	25.9	2.04E-04	2.04E-09
n-heptane	3.2	2.50E-05	2.50E-10	C-7 to C-8	12.3	9.67E-05	9.67E-10
toluene	8.7	6.86E-05	6.86E-10	C-8 to C-9	99.6	7.82E-04	7.82E-09
p-xylene	1.3	1.02E-05	1.02E-10	C-9 to C-10	9.7	7.65E-05	7.65E-10
n-propylbenzene	9.7	7.63E-05	7.63E-10	C-10 to C-11	77.3	6.07E-04	6.07E-09
1,3,5-trimethylpentane	2.3	1.78E-05	1.78E-10	C-11 to C-12	144	1.13E-03	1.13E-08
1,2,4-trimethylpentane	76.6	6.02E-04	6.02E-09	C-12 to C-13	46.7	3.67E-04	3.67E-09
n-decane	20.1	1.58E-04	1.58E-09	C-13 to C-14	617	4.85E-03	4.85E-08
n-butylbenzene	38.3	3.01E-04	3.01E-09	C-14 to C-15	21.1	1.66E-04	1.66E-09
n-undecane	104	8.18E-04	8.18E-09	>C-15	139	1.09E-03	1.09E-08
n-dodecane	47.7	3.75E-04	3.75E-09				
n-tridecane	624	4.90E-03	4.90E-08				
n-tetradecane	21.2	1.67E-04	1.67E-09				
n-pentadecane	8.0	6.28E-05	6.28E-10				
Tenax 6712				M32-NF1BT		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	3.0	2.36E-05	2.36E-10	<C-6	192	1.51E-03	1.51E-08
2-methylpentane	167	1.32E-03	1.32E-08	C-6 to C-7	447	3.51E-03	3.51E-08
benzene	7.5	5.87E-05	5.87E-10	C-7 to C-8	17.5	1.37E-04	1.37E-09
toluene	14.2	1.11E-04	1.11E-09	C-8 to C-9	45.7	3.59E-04	3.59E-09
ethylbenzene	6.1	4.76E-05	4.76E-10	C-9 to C-10	8.6	6.76E-05	6.76E-10
p-xylene	16.0	1.25E-04	1.25E-09	C-10 to C-11	27.1	2.13E-04	2.13E-09
1,3,5-trimethylpentane	1.3	1.02E-05	1.02E-10	C-11 to C-12	5.6	4.41E-05	4.41E-10
1,2,4-trimethylpentane	12.6	9.89E-05	9.89E-10	C-12 to C-13	3.0	2.36E-05	2.36E-10
n-decane	3.7	2.93E-05	2.93E-10	C-13 to C-14	1.4	1.08E-05	1.08E-10
1,2,3-trimethylpentane	8.9	6.97E-05	6.97E-10	C-14 to C-15	9.6	7.52E-05	7.52E-10
n-butylbenzene	1.9	1.52E-05	1.52E-10	>C-15	9.6	7.57E-05	7.57E-10
n-undecane	1.4	1.09E-05	1.09E-10				
n-dodecane	3.1	2.41E-05	2.41E-10				
n-pentadecane	2.3	1.79E-05	1.79E-10				

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Tenax 6713				M32-NF2		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	146	1.26E-03	1.26E-08	<C-6	710	6.14E-03	6.14E-08
2-methylpentane	492	4.25E-03	4.25E-08	C-6 to C-7	75.4	6.52E-04	6.52E-09
n-hexane	62.1	5.37E-04	5.37E-09	C-7 to C-8	31.3	2.70E-04	2.70E-09
benzene	4.1	3.51E-05	3.51E-10	C-8 to C-9	20.4	1.77E-04	1.77E-09
toluene	16.3	1.41E-04	1.41E-09	C-9 to C-10	9.5	8.25E-05	8.25E-10
ethylbenzene	1.1	9.15E-06	9.15E-11	C-10 to C-11	35.5	3.07E-04	3.07E-09
p-xylene	8.4	7.27E-05	7.27E-10	C-11 to C-12	3.1	2.69E-05	2.69E-10
n-propylbenzene	9.5	8.23E-05	8.23E-10	C-12 to C-13	20.1	1.74E-04	1.74E-09
1,3,5-trimethylpentane	2.7	2.32E-05	2.32E-10	C-13 to C-14	3.3	2.88E-05	2.88E-10
1,2,4-trimethylpentane	5.7	4.96E-05	4.96E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
1,2,3-trimethylpentane	2.0	1.75E-05	1.75E-10	>C-15	0.0	0.00E+00	0.00E+00
n-butylbenzene	13.8	1.19E-04	1.19E-09				
n-undecane	1.4	1.20E-05	1.20E-10				

Tenax 6714				M32-NF2BT		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	167	1.44E-03	1.44E-08	<C-6	1003	8.67E-03	8.67E-08
2-methylpentane	734	6.34E-03	6.34E-08	C-6 to C-7	126	1.09E-03	1.09E-08
n-hexane	100	8.64E-04	8.64E-09	C-7 to C-8	46.1	3.99E-04	3.99E-09
benzene	8.6	7.47E-05	7.47E-10	C-8 to C-9	52.9	4.58E-04	4.58E-09
n-heptane	35.5	3.07E-04	3.07E-09	C-9 to C-10	18.6	1.61E-04	1.61E-09
toluene	11.5	9.96E-05	9.96E-10	C-10 to C-11	11.9	1.03E-04	1.03E-09
ethylbenzene	36.8	3.18E-04	3.18E-09	C-11 to C-12	24.2	2.10E-04	2.10E-09
p-xylene	5.4	4.64E-05	4.64E-10	C-12 to C-13	0.78	6.70E-06	6.70E-11
n-propylbenzene	18.6	1.61E-04	1.61E-09	C-13 to C-14	2.1	1.77E-05	1.77E-10
1,3,5-trimethylpentane	3.8	3.31E-05	3.31E-10	C-14 to C-15	1.8	1.58E-05	1.58E-10
1,2,4-trimethylpentane	5.0	4.35E-05	4.35E-10	>C-15	4.8	4.11E-05	4.11E-10
n-decane	0.14	1.24E-06	1.24E-11				
1,2,3-trimethylpentane	0.55	4.73E-06	4.73E-11				
n-butylbenzene	3.1	2.71E-05	2.71E-10				
n-undecane	17.2	1.49E-04	1.49E-09				

Tenax 6715				M30-1		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane				<C-6			
n-hexane				C-6 to C-7			
benzene				C-7 to C-8			
toluene				C-8 to C-9			
p-xylene				C-9 to C-10			
n-propylbenzene				C-10 to C-11			
1,3,5-trimethylpentane				C-11 to C-12			
1,2,4-trimethylpentane				C-12 to C-13			
1,2,3-trimethylpentane				C-13 to C-14			
n-butylbenzene				C-14 to C-15			
n-undecane				>C-15			



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Tenax 6716				M30-1BT		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	595	4.52E-03	4.52E-08	<C-6	1,086	8.25E-03	8.25E-08
2-methylpentane	160	1.21E-03	1.21E-08	C-6 to C-7	28.5	2.17E-04	2.17E-09
n-hexane	2.1	1.57E-05	1.57E-10	C-7 to C-8	6.9	5.23E-05	5.23E-10
toluene	2.2	1.68E-05	1.68E-10	C-8 to C-9	23.7	1.80E-04	1.80E-09
p-xylene	5.6	4.25E-05	4.25E-10	C-9 to C-10	2.3	1.74E-05	1.74E-10
n-propylbenzene	2.3	1.73E-05	1.73E-10	C-10 to C-11	18.9	1.44E-04	1.44E-09
1,3,5-trimethylpentane	8.5	6.43E-05	6.43E-10	C-11 to C-12	2.4	1.82E-05	1.82E-10
1,2,4-trimethylpentane	2.8	2.15E-05	2.15E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
n-decane	1.6	1.23E-05	1.23E-10	C-13 to C-14	0.0	0.00E+00	0.00E+00
1,2,3-trimethylpentane	4.6	3.52E-05	3.52E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-butylbenzene	9.6	7.30E-05	7.30E-10	>C-15	0.0	0.00E+00	0.00E+00

Tenax 6717				M30-2		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	312	2.62E-03	2.62E-08	<C-6	590	4.95E-03	4.95E-08
n-hexane	9.1	7.61E-05	7.61E-10	C-6 to C-7	13.2	1.11E-04	1.11E-09
benzene	2.8	2.37E-05	2.37E-10	C-7 to C-8	10.4	8.76E-05	8.76E-10
toluene	1.4	1.21E-05	1.21E-10	C-8 to C-9	23.5	1.97E-04	1.97E-09
p-xylene	3.0	2.47E-05	2.47E-10	C-9 to C-10	1.2	9.87E-06	9.87E-11
n-propylbenzene	1.2	9.85E-06	9.85E-11	C-10 to C-11	17.1	1.43E-04	1.43E-09
1,3,5-trimethylpentane	1.8	1.53E-05	1.53E-10	C-11 to C-12	4.9	4.10E-05	4.10E-10
1,2,4-trimethylpentane	10.6	8.86E-05	8.86E-10	C-12 to C-13	0.0	0.00E+00	0.00E+00
1,2,3-trimethylpentane	1.5	1.26E-05	1.26E-10	C-13 to C-14	0.0	0.00E+00	0.00E+00
n-butylbenzene	9.3	7.82E-05	7.82E-10	C-14 to C-15	0.0	0.00E+00	0.00E+00
n-undecane	0.0	5.55E-08	5.55E-13	>C-15	0.0	0.00E+00	0.00E+00
n-dodecane	0.0	0.00E+00	0.00E+00				

Tenax 6718				M30-2BT		3/21/95	
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
2-methylbutane	323	2.71E-03	2.71E-08	<C-6	636	5.34E-03	5.34E-08
toluene	1.0	8.05E-06	8.05E-11	C-6 to C-7	28.6	2.40E-04	2.40E-09
				C-7 to C-8	2.9	2.47E-05	2.47E-10
				C-8 to C-9	3.7	3.09E-05	3.09E-10
				C-9 to C-10	0.0	0.00E+00	0.00E+00
				C-10 to C-11	3.1	2.62E-05	2.62E-10
				C-11 to C-12	0.0	0.00E+00	0.00E+00
				C-12 to C-13	0.0	0.00E+00	0.00E+00
				C-13 to C-14	0.0	0.00E+00	0.00E+00
				C-14 to C-15	0.0	0.00E+00	0.00E+00
				>C-15	0.0	0.00E+00	0.00E+00

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Tenax 6719				TB-1				3/21/95			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	224	0.00E+00	0.00E+00	<C-6	1,093	0.00E+00	0.00E+00	n-pentane	263	0.00E+00	0.00E+00
2-methylpentane	757	0.00E+00	0.00E+00	C-6 to C-7	187	0.00E+00	0.00E+00	toluene	1.1	0.00E+00	0.00E+00
n-hexane	170	0.00E+00	0.00E+00	C-7 to C-8	49.5	0.00E+00	0.00E+00	p-xylene	81.7	0.00E+00	0.00E+00
benzene	6.5	0.00E+00	0.00E+00	C-8 to C-9	34.0	0.00E+00	0.00E+00				
toluene	6.1	0.00E+00	0.00E+00	C-9 to C-10	4.3	0.00E+00	0.00E+00				
ethylbenzene	4.7	0.00E+00	0.00E+00	C-10 to C-11	18.3	0.00E+00	0.00E+00				
p-xylene	5.8	0.00E+00	0.00E+00	C-11 to C-12	4.7	0.00E+00	0.00E+00				
n-propylbenzene	4.3	0.00E+00	0.00E+00	C-12 to C-13	1.9	0.00E+00	0.00E+00				
1,3,5-trimethylpentane	1.6	0.00E+00	0.00E+00	C-13 to C-14	5.9	0.00E+00	0.00E+00				
1,2,4-trimethylpentane	15.0	0.00E+00	0.00E+00	C-14 to C-15	0.0	0.00E+00	0.00E+00				
n-decane	0.68	0.00E+00	0.00E+00	>C-15	0.0	0.00E+00	0.00E+00				
n-butylbenzene	6.0	0.00E+00	0.00E+00								

Tenax 6720				TB-2				3/21/95			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	74.8	0.00E+00	0.00E+00	<C-6	113	0.00E+00	0.00E+00	n-pentane	263	0.00E+00	0.00E+00
n-hexane	3.5	0.00E+00	0.00E+00	C-6 to C-7	5.7	0.00E+00	0.00E+00	toluene	1.1	0.00E+00	0.00E+00
				C-7 to C-8	0.0	0.00E+00	0.00E+00	p-xylene	81.7	0.00E+00	0.00E+00
				C-8 to C-9	0.0	0.00E+00	0.00E+00				
				C-9 to C-10	0.0	0.00E+00	0.00E+00				
				C-10 to C-11	0.0	0.00E+00	0.00E+00				
				C-11 to C-12	0.0	0.00E+00	0.00E+00				
				C-12 to C-13	0.0	0.00E+00	0.00E+00				
				C-13 to C-14	0.0	0.00E+00	0.00E+00				
				C-14 to C-15	0.0	0.00E+00	0.00E+00				
				>C-15	0.0	0.00E+00	0.00E+00				

Tenax 6721				FB-1				3/21/95			
Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound bp Range	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)	Compound	Mass (ng)	Flux (ng/cm <sup>2</sup> -s)	Flux (g/m <sup>2</sup> -s)
n-pentane	263	0.00E+00	0.00E+00	<C-6	573	0.00E+00	0.00E+00	n-pentane	263	0.00E+00	0.00E+00
toluene	1.1	0.00E+00	0.00E+00	C-6 to C-7	7.1	0.00E+00	0.00E+00	toluene	1.1	0.00E+00	0.00E+00
p-xylene	81.7	0.00E+00	0.00E+00	C-7 to C-8	2.2	0.00E+00	0.00E+00	p-xylene	81.7	0.00E+00	0.00E+00
				C-8 to C-9	85.4	0.00E+00	0.00E+00				
				C-9 to C-10	0.0	0.00E+00	0.00E+00				
				C-10 to C-11	1.3	0.00E+00	0.00E+00				
				C-11 to C-12	0.0	0.00E+00	0.00E+00				
				C-12 to C-13	0.0	0.00E+00	0.00E+00				
				C-13 to C-14	0.0	0.00E+00	0.00E+00				
				C-14 to C-15	0.0	0.00E+00	0.00E+00				
				>C-15	0.0	0.00E+00	0.00E+00				

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